



MD BAZLUR RAHMAN LIKHON

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Address: MOITRI BHABAN, HOUSE NO. 345/A &B, ROAD NO 06, EAST KAZIPARA, MIRPUR, SHANTA WESTERN TOWER, LEVEL-11, 186, BIR UTTAM MIR SHAWKAT ALI SARAK, TEJGAON INDUSTRIAL AREA, 1216, DHAKA, Bangladesh (Home)

● ABOUT MYSELF

I am a highly skilled **Cloud Engineering** and **Machine Learning** professional with a fervent commitment to driving innovation and digital transformation. My expertise encompasses a wide array of technical proficiencies, including **AWS, Azure, Google Cloud, Oracle Cloud, Python, and Machine Learning**. I have a proven track record of excellence, demonstrated through my participation in premier tech events and my adeptness in generative AI and large language models.

My career highlights include serving as a **Cloud Engineer** at **KP-Cloud**, where I excelled in designing and implementing secure, scalable cloud infrastructures. In my role as a professional freelancer, I provided specialized cloud and AI consulting services, and as a **Cloud Trainer** at **Inflexionpoint Technologies BD LTD**, I focused on **Web development** and **Machine Learning** software development and deployment (**DevOps, MLOPS**). Additionally, my experience as a **Machine Learning Intern** at **CodSoft** involved applying AI techniques to solve real-world challenges.

I am an active member of the tech community, participating in events such as Google Cloud Next, DevFest, and FOSSASIA. I hold numerous prestigious certifications from **AWS, Microsoft, Google Cloud, Oracle Cloud, Microsoft Azure, IBM, Harvard, Stanford, and others** on cloud computing, machine learning, data science, artificial intelligence, generative AI, and more.

● PROJECTS

Sentiment analysis on Ukraine-Russia war using Tweets

Scrapped 2.4 million tweets from X(Twitter) and analyzed public sentiment on the huge dataset using the latest cutting-edge machine-learning techniques.

A Classification Framework for Identification of support in the Ukraine- Russia war Perspective Classification Framework for Identification of support in the Ukraine- Russia war Perspective

Collected tweets from X(Twitter) to classify public support on Ukraine and Russia.

14/01/2024 – CURRENT

Implemented Data Warehouse / Data Lake for a large company on Alibaba Cloud.

One very big company had lots of software and management systems. The data was store in mostly SaaS system on various cloud systems. They wanted to unify their data in a secure manner. As a cloud engineer I have created solution to unify their data in the most secure way so that they can use the data and get useful insights from the data we are planning to implement machine learning on the data.

17/12/2023 – CURRENT

Enterprise resource planning (ERP)

Working as a Cloud Engineer in a team of highly experienced developers, I am currently involved in creating an ERP for one of the largest and leading steel building company and their subsidiaries. My primary focus is on optimizing the cloud infrastructure to guarantee peak performance, scalability, and security for the ERP system. I am responsible for designing and implementing solutions utilizing diverse cloud services on AWS. Additionally, I work closely with the development team to seamlessly integrate new features and enhancements into the ERP system.

01/08/2023 – 30/11/2023

InsureCow

During my tenure at InsureCow, I played a pivotal role in enhancing the cattle wellbeing monitoring system by implementing a machine learning model for muzzle detection. This model significantly improved the accuracy and

efficiency of cattle identification, thereby strengthening the overall asset value protection for livestock farmers. In addition to this, I spearheaded the transition of the system to a serverless architecture using AWS Lambda. This not only optimized the system's performance but also reduced operational costs, making the platform more scalable and reliable. Through this project, I gained extensive experience in machine learning algorithms, cloud computing, and serverless architectures, and contributed to the technological advancement of the livestock farming industry.

Blog Classification

Collected Blogs from a blogging site and classified them using LSTM.

WORK EXPERIENCE

 **KAMAL-PATERSON LTD & KPCLLOUD** – DHAKA, BANGLADESH

Email contact@kp-cloud.com | Website kp-cloud.com

CLOUD ENGINEER – 01/09/2023 – CURRENT

CLOUD ENGINEER

KAMAL-PATERSON LTD & KPCLLOUD

DHAKA, BANGLADESH

- Designed, developed, and deployed cloud-based solutions for diverse clients across various industries and regions, leveraging expertise in AWS, GCP, Azure, and Alibaba Cloud.
- Collaborated with senior cloud and DevOps engineers and architects to understand client requirements and deliver optimal cloud solutions that met their needs and expectations.
- Implemented best practices and standards of cloud engineering, including security, scalability, reliability, performance, and cost optimization.
- Proactively troubleshooted and resolved issues during the cloud development and deployment process, ensuring the quality and functionality of the cloud solution.
- Continuously learned and updated skills and knowledge on the latest trends and developments in cloud computing, seeking feedback and guidance from mentors and peers.
- Reported directly to the MD and CEO of the company.
- Led Android and generative AI-based developments.
- Developed and deployed machine learning models on cloud platforms to improve efficiency and automate tasks.
- Utilized generative AI tools to enhance software development processes and create innovative solutions.
- Proficient in industry-leading tools such as Kubernetes, Docker, and Jenkins for containerization and continuous integration/continuous delivery (CI/CD) pipelines.
- Utilized Terraform for infrastructure-as-code (IaC) to automate infrastructure provisioning and management.
- Employed Prometheus and Grafana for comprehensive monitoring and visualization of system performance and health.

 **INFLEXIONPOINT TECHNOLOGIES BD LTD.** – DHAKA, BANGLADESH

Business or Sector Information and communication | **Website** <https://www.inflexionpointbd.com/>

CLOUD TRAINER – 01/08/2023 – 30/11/2023

CLOUD TRAINER

INFLEXIONPOINT TECHNOLOGIES BD LTD.

DHAKA, BANGLADESH

- Led a team of 20 interns and provided them with hands-on training on various cloud technologies and platforms, such as AWS and Microsoft Azure.
- Designed and delivered engaging sessions on cloud architecture, web development on cloud, machine learning applications, and API testing using relevant tools and frameworks.
- Evaluated the interns' progress and performance and gave them constructive feedback and guidance.
- Stayed updated with the latest trends and developments in the cloud domain and incorporated them into the training curriculum.

 **DIU NLP & ML RESEARCH LAB** – DHAKA, BANGLADESH

Website <https://nlp.daffodilvarsity.edu.bd/>

RESEARCHER – 01/06/2020 – 31/08/2023

RESEARCHER

DIU NLP & ML Research Lab

DHAKA, BANGLADESH

- **Research and Development:** Conducted advanced research in the field of Natural Language Processing and Machine Learning, contributing to the development of innovative algorithms and models.

- Collaboration: Collaborated with a diverse team of researchers, computer scientists, computational linguists, and data scientists on various projects, fostering a multidisciplinary approach to problem-solving.
- Project Management: Managed and contributed to a project aimed at making the Bengali language more computation-friendly, demonstrating strong project management and teamwork skills.
- Data Analysis: Analyzed and interpreted complex data sets, utilizing machine learning techniques to derive insights and inform research direction.
- Partnership Engagement: Engaged with industry partners, facilitating knowledge exchange and fostering relationships.

EDUCATION AND TRAINING

31/12/2024 – CURRENT DHAKA, Bangladesh

MASTERS IN INFORMATION SYSTEMS SECURITY (MISS) BANGLADESH UNIVERSITY OF PROFESSIONALS (BUP)

Website <https://bup.edu.bd/>

NANODEGREE PROGRAM AI PROGRAMMING WITH PYTHON AMAZON WEB SERVICES

Website confirm.udacity.com/e/9dee61fc-2dce-11ef-b159-7772bf8c4eaa

01/09/2019 – 20/09/2023 DHAKA, Bangladesh

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING DAFFODIL INTERNATIONAL UNIVERSITY

- Scrapped 2.4 million tweets from X(Twitter) and analyzed public sentiment.
- This paper presents a comprehensive and rigorous analysis of sentiment patterns observed on Twitter in relation to the ongoing conflict between Ukraine and Russia.
- Converted the data into convenient format, extensively preprocessed the data, cleaned text, used NLP to understand the sentiment, and extensively analyzed the data.
- The methodology employed in this study encompasses a meticulous process of data collection, preprocessing, sentiment classification, and analysis.

Verify: <https://certificate.daffodilvarsity.edu.bd/certificate/63aedcb8>

Website <https://daffodilvarsity.edu.bd/> | Field of study COMPUTER SCIENCE AND ENGINEERING | Final grade 3.62 / 4.00 |

Number of credits 6 | Thesis SENTIMENT ANALYSIS ON UKRAINE RUSSIA WAR USING TWEETS

15/10/2023 – 15/05/2024 United States

QUBIT BY QUBIT'S INTRODUCTION TO QUANTUM COMPUTING AND CAPSTONE PROJECT COLLABORATION WITH GOOGLE QUANTUM AI THE CODING SCHOOL

Website <https://the-cs.org/>

01/06/2016 – 04/2018 DHAKA, Bangladesh

HIGHER SECONDARY CERTIFICATE DR. MAHBUBUR RAHMAN MOLLAH COLLEGE

Website <https://dmrc.edu.bd/> | Field of study SEIENCE | Final grade 4.50/ 5.00

01/01/2014 – 28/02/2016 DHAKA, Bangladesh

SECONDARY SCHOOL CERTIFICATE FATULLA PILOT HIGH SCHOOL

Field of study SCIENCE | Final grade 4.78/ 5.00

SKILLS

TENSORFLOW | KERAS | PYTORCH | SCIKIT-LEARN | Circle Ci / Jenkins CI / Travis CI / Gitlab CI | CI/CD

CLOUD COMPUTING

Linux | AWS | AZURE | GCP | MySQL

PROGRAMMING LANGUAGE

C++ | PYTHON

CONTAINER ARCHITCTURE

Kubernetes | Docker | SQL | POWER BI | Git

DATA SCIENCE & MACHINE LEARNING

BIG QUERY | CONTAINER | ALIBABA CLOUD

● LANGUAGE SKILLS

Mother tongue(s): **BENGALI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C1	C1	C1	C1
GERMAN	A2	A1	A1	A2	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

● CERTIFICATIONS

31/12/2024 – 31/12/2027

Google Cloud Certified Associate Cloud Engineer

Google Cloud

Link https://www.credly.com/badges/2524f065-dec4-4a03-9cb1-76fd91aebb01/linked_in_profile

01/01/2025

GitHub Foundations

Oracle

Link https://www.credly.com/badges/6646c106-73a1-41f3-a658-41b27fef27a2/linked_in_profile

06/06/2024 – 06/06/2026

Oracle Cloud Infrastructure 2024 Generative AI Certified Professional

Intel

Link <https://catalog-education.oracle.com/pls/certview/sharebadge?id=2365554B1181AA97E25327941B26728A36AAF4F8F2DB32C7869FA9EE5E17788F>

01/05/2024

Intel® Edge AI Certification

Microsoft

14/06/2024

Microsoft Certified: Azure Fundamentals

Microsoft

Link <https://learn.microsoft.com/api/credentials/share/en-us/brlikhon/96BF4A11C5426874?sharingId=ED3BA04CBAEEB99B>

24/05/2024

Microsoft Certified: Azure AI Fundamentals

Google Cloud

Link <https://learn.microsoft.com/api/credentials/share/en-us/brlikhon/B73C0BF1D43BB79F?sharingId=ED3BA04CBAEEB99B>

23/02/2024 – 23/02/2027

Google Cloud Digital Leader

The Linux Foundation

Link <https://www.credential.net/b066eced-7070-4562-923b-09f0d8cdf27f>

05/06/2022 – 31/12/2029

Professional Certificate in Kubernetes and Cloud Native Technologies

Amazon Web Services (AWS)

Link <https://credentials.edx.org/credentials/0662bc25e6e54c3a831faac80b8f1101/>

08/03/2022

Amazon SageMaker: Simplifying Machine Learning Application Development

Harvard University

Link <https://courses.edx.org/certificates/a7a26f59753d468abc4460fca8e3630b>

16/02/2022

Introduction to Probability

The Linux Foundation

Link <https://courses.edx.org/certificates/bea84bf43faf4357a4cdf97267909c5e>

01/03/2023

Introduction to Open Source Networking Technologies

Amazon Web Services (AWS)

Link <https://courses.edx.org/certificates/ec33a7a549eb424e9bc7b3bbedfa90a1>

Introduction to Designing Data Lakes on AWS

Harvard University

Link <https://courses.edx.org/certificates/2eee7a61e3ea4a16b91ab8d9d75316fc>

Principles, Statistical and Computational Tools for Reproducible Data Science

Harvard University

Link <https://courses.edx.org/certificates/9ab538691ab64da5a37bd95876f28b05>

Fat Chance: Probability from the Ground Up

Amazon Web Services (AWS)

Link <https://courses.edx.org/certificates/08379a83d4e3406b90d0b11e30a99b07>

Building Modern Python Applications on AWS

Stanford University

Link <https://courses.edx.org/certificates/656586cf102c4ea69a152c74c0fdf4af>

Machine Learning Specialization

Alberta Machine Intelligence Institute (Amii)

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/UEFXA9VQ6KHZ>

Machine Learning: Algorithms in the Real World Specialization

Google

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/6P9HQRURNE3A>

Google Finance Data Analyst Professional Certificate Specialization

Harvard University

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/A3H3KYPZ3H5A>

Data Science: Productivity Tools

Harvard University

Link <https://courses.edx.org/certificates/cb5225413f664dd08b959b70146c9d38>

Data Science: Wrangling

Harvard University

Link <https://courses.edx.org/certificates/6d9f48bcc2b0489fae6eea298c021244>

High-Dimensional Data Analysis

DeepLearning.AI

Link <https://courses.edx.org/certificates/7c0d17783b6d4b16b683ea67c4dc2f0d>

Mathematics for Machine Learning and Data Science Specialization

DeepLearning.AI

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/MMDQ3GJVG9V>

Practical Data Science on the AWS Cloud Specialization

Google

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/RU76CDRYKED6>

Google Advanced Data Analytics Specialization

DeepLearning.AI

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/QNXMX37UTV7W>

Machine Learning Engineering for Production (MLOps) Specialization

Harvard University

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/HZM2T7SESVSW>

Data Science: Visualization

The Linux Foundation

Link <https://courses.edx.org/certificates/1f837bf39af44188ab126ed8f65dc347>

12/07/2023

Introduction to DevOps and Site Reliability Engineering

Oracle

Link <https://courses.edx.org/certificates/bad0086e51714b56bb9b9169fe7aa745>

01/07/2022 – 01/07/2023

Oracle Cloud Infrastructure 2022 Certified Foundations Associate

University of Alberta

Link <https://catalog-education.oracle.com/pls/certview/sharebadge?id=EB8C006933BE1D4F432D8DFF2EF540EA29BC54383AC8236EA372E9906E1E49E4&fbclid=IwAR1qdNgBe7093BzDgeSkzBikYECR7uSjAfK>

10/10/2022

Reinforcement Learning Specialization

Google

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/3AQUWWL7HTXR>

09/10/2022

Google IT Automation with Python Specialization Google

The Linux Foundation

Link <https://www.coursera.org/account/accomplishments/specialization/certificate/B2RLCEGPDLP8>

01/07/2022

Professional Certificate in DevOps: Practices and Tools

Columbia University

Link <https://credentials.edx.org/credentials/fff0d6010d90464fa0ca573631c7b1ef/>

04/06/2022

Statistical Thinking for Data Science and Analytics

The Linux Foundation

Link <https://courses.edx.org/certificates/097d84be90c54bcc87f6f8340e17ffef>

11/05/2022

Introduction to Serverless on Kubernetes The Linux Foundation

Harvard University

Link <https://courses.edx.org/certificates/fdc308d6d92d43b7a4d79e150174e38b>

06/05/2022

Statistical Inference and Modeling for High-throughput Experiments

Amazon Web Services (AWS)

Link <https://courses.edx.org/certificates/142b150cc6f54b98b866634304820563>

01/04/2022

Getting Started with Data Analytics on AWS

AWS

Link <https://coursera.org/share/174a7a39c90606d9a46fd7519aa24b0d>

15/03/2022

Building Modern .NET Applications on AWS

Harvard University

Link <https://courses.edx.org/certificates/e6d9b1b72d7941d6a49756607e3c8c15>

01/03/2022

Data Science Tools

Harvard University

Link <https://courses.edx.org/certificates/6de9c68d049a49adaa04db41f066c515>

28/02/2022

Python for Research

Columbia University

Link <https://courses.edx.org/certificates/6b90355787b649008c704768cb741e4d>

31/01/2022

Machine Learning for Data Science and Analytics Columbia University

Columbia University

Link <https://courses.edx.org/certificates/578648b20c824519877396372d930a82>

01/01/2022

Statistical Thinking for Data Science and Analytics

Link <https://courses.edx.org/certificates/05a45a5ccc054fdb25ee76c7e321a55>

● HONOURS AND AWARDS

20/06/2024

AWS AI & ML Scholar'24 – Udacity Sponsored By AWS

AWS AI & ML Scholarship Recipient

I am honored to have been awarded the prestigious AWS AI & ML Scholarship, valued at \$4,000, to participate in the AI Programming with Python Nanodegree program by Udacity. This scholarship provides an exceptional opportunity to develop advanced skills in artificial intelligence and machine learning.

Among 2,000 global recipients, I ranked highly in the AWS DeepRacer Challenge and also received the AWS AI and ML Scholarship. Additionally, the program offers mentorship from seasoned professionals at AWS and Intel, which will significantly contribute to my professional growth and career advancement.

This scholarship reflects my commitment to continuous learning and my dedication to contributing to the field of AI and ML.

Link https://cdn.getblueshift.com/pictures/225761/content/aws_tailored-acceptance.jpg

01/12/2023

Next Generation Tech Booster Scholarship, Bertelsmann – Bertelsmann

I have been awarded the Next Generation Tech Booster Scholarship from Bertelsmann. This esteemed scholarship is given to individuals who show exceptional promise and dedication in the field of technology.

As part of this scholarship, I was able to participate in an advanced learning program that covered a broad spectrum of next-generation technologies. The program included in-depth study and hands-on experience with emerging technologies such as AI, machine learning, data science, cloud computing, and more.

This scholarship has not only validated my skills in these areas but also provided me with the opportunity to work on cutting-edge technology projects. I am excited to apply these skills in my future endeavors and contribute to the advancement of technology.

Top contributor Google Cloud Community 2022 – Google

By actively contributing to the Google Cloud community and sharing multiple solutions, I have been recognized as a top contributor for Google Cloud 2022.

<https://www.googlecloudcommunity.com/gc/News-Announcements/Google-Cloud-Community-Roundup-2022-Year-in-Review/td-p/509181?fbclid=IwAR2uiegaarC50bjdBY1smwaeg-gFBjcTcobYRZ3Zk4x40kPYe6bhEA3LO5c>

Link <https://www.googlecloudcommunity.com/gc/News-Announcements/Google-Cloud-Community-Roundup-2022-Year-in-Review/td-p/509181?fbclid=IwAR2uiegaarC50bjdBY1smwaeg-gFBjcTcobYRZ3Zk4x40kPYe6bhEA3LO5c>

01/10/2021

AWS Machine Learning Scholarship – AWS

I have been awarded the AWS Machine Learning Scholarship. This prestigious scholarship is granted to individuals who demonstrate a strong understanding of machine learning concepts and are committed to furthering their knowledge in this field.

As part of the scholarship, I had the opportunity to participate in an intensive learning program focused on AWS Machine Learning services. The program covered a wide range of topics, including data engineering, model training, model evaluation, and deployment at scale. I gained hands-on experience with AWS SageMaker, Glue, Lambda, and other AWS services, which allowed me to build, train, and deploy machine learning models efficiently.

This scholarship has not only validated my skills in machine learning but also my ability to leverage AWS services for machine learning applications. I am excited to apply these skills in my future projects and contribute to the field of AI.

Link <https://confirm.udacity.com/UZMN7LMD>

● VOLUNTEERING

17/09/2019 – 20/12/2019 Dhaka

Student Ambassador

Hult Prize Student Ambassador, Daffodil International University

- Team Formation and Mentorship: Assisted students in forming teams, providing guidance and support to foster collaboration and team spirit.
- Information Dissemination: Managed an information booth to educate students about the Hult Prize, answering queries and providing necessary details about the competition.
- Event Organization: Successfully organized the university-level Hult Prize event, which saw the highest number of participating teams in the history of Daffodil International University.
- Leadership: Demonstrated strong leadership skills in coordinating and managing the event, ensuring a smooth and successful execution.

01/01/2021 – 04/2021 Dhaka, Daffodil International University

Lab Prefect

Lab Prefect, Object Oriented Programming II - CSE233, Daffodil International University

- Lab Management: Managed the lab for the Object Oriented Programming II course, ensuring a conducive environment for practical learning.
- Python and OOP Tutoring: Guided students in understanding and implementing basic Python programming and Object-Oriented Programming (OOP) concepts during lab sessions.
- Collaboration: Collaborated with faculty and other lab staff to facilitate effective learning and application of course material.
- Problem-Solving: Addressed and resolved any issues or challenges faced by students during lab sessions, demonstrating strong problem-solving and communication skills.

01/05/2021 – 31/12/2021 Dhaka, Daffodil International University

Lab Prefect

Lab Prefect, Data Mining and Machine Learning Lab - CSE322, Daffodil International University

- Lab Management: Oversaw the smooth operation of the lab, ensuring all equipment was maintained and available for student use.
- Student Support: Assisted students in understanding and applying complex data mining and machine learning concepts during lab sessions.
- Collaboration: Worked closely with faculty and other lab staff to create an effective and conducive learning environment.
- Problem-Solving: Addressed and resolved any issues or challenges faced by students during lab sessions, demonstrating strong problem-solving skills.

● RECOMMENDATIONS

Mayen Uddin Mojumdar Supervisor

- I have done my thesis under his supervision

Email mayen.cse@diu.edu.bd | **Phone** (+880) 1402113506

Rokon Rajib DevOps and Cloud Solutions Architect

- I have known him for many years.
- He was my mentor and led me.

Email [rrajib@harmonia.com](mailto:rrojib@harmonia.com) | **Phone** (+1) 5149637331

Jamie Paterson Superior

- I report to him at my workplace.
- He is the CEO and MD of KAMAL-PATERSON LTD and KPCLLOUD.

Email jamie@kamal-paterson.com | **Phone** (+44) 7429022377