

MOHAMMAD SIAM AHMED RANA

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OBJECTIVE

A highly motivated and enthusiastic individual with a strong interest in machine learning and artificial intelligence. Skilled in basic data analysis, problem-solving, and learning new technologies. Passionate about exploring ML techniques and eager to work on projects that help me build practical experience and grow in the field of machine learning.

SKILLS

Programming Languages	Python, C, C++
Machine Learning	Supervised & Unsupervised Learning, Model Evaluation
Web Development	HTML, CSS, Bootstrap
Databases & Query Languages	MySQL
Tools & Frameworks	Visual Studio Code, Jupyter Notebook, Google Colab, Flask, Git & GitHub
Soft Skills	Communication, Collaboration, Adaptability, Critical Thinking, Time Management, Attention to Detail, Ethical Considerations

EXPERIENCE

Data Science Intern Kryzotech <ul style="list-style-type: none">• Successful Project Deliveries.• Client Management and Collaboration.• Data-Driven Decision Making.• Scalable Data Pipelines.	Fab 2025 – Present <i>Contractual</i>
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EDUCATION

Bachelor of CSE , Hamdard University Bangladesh Awards : <ul style="list-style-type: none">• Intra-University Programming Contest, 2025 – CHAMPION.• Idea Showcasing Contest, 2025 - RUNNER UP.<ul style="list-style-type: none">○ Project_Name : DeepGuard: A Hybrid Deep Learning Framework for Real-Time Deepfake Video Detection.• Intra-Depart Programming Contest, 2023 – CHAMPION.• Merit Award, Spring 2023, Fall 2021.	Jan 2026 <i>Expected</i>
HSC in Science , Ispahani Public School & College GPA- 5.00	Jun 2020

PROJECTS

Colorectal Cancer Survival Prediction.

Developed a machine learning model to predict colorectal cancer patient survival. Conducted exploratory data analysis (EDA) and experimented with Logistic Regression, Random Forest, and XGBoost models. The Random Forest model achieved the best performance with **75% accuracy**. The model was tested on unseen patient data to ensure real-world applicability.

Skills: Python · Scikit-Learn · Pandas · Matplotlib · Bootstrap · Flask ([Project Link](#))

Spam Email Detection System.

A machine learning-powered web application to classify emails as spam or ham. Built with Python, Flask, and Bootstrap, this project achieves "**98% accuracy**" and features a "modern UI" with dark mode support.

Skills: Python · NLTK · Scikit-Learn · Bootstrap · Flask ([Project Link](#))

Bitcoin Price Prediction.

A machine learning model to predict Bitcoin closing prices using historical market data. Conducted EDA and implemented a Random Forest Regressor with hyperparameter tuning to improve model accuracy. Performed overfitting checks. Achieved high accuracy on test data, ensuring reliability for real-world applications.

Skills: Python · Scikit-Learn · Pandas · Matplotlib · Seaborn ([Project Link](#))

CERTIFICATIONS

- **Machine Learning** - [DeepLearning.AI, Stanford University](#)
- **Machine Learning (ML)** - [ATOVA TECHNOLOGY](#)
- **Python for Machine Learning with Numpy, Pandas & Matplotlib** - [Udemy](#)
- **2025 Master class on Data Science using Python A-Z for ML** - [Udemy](#)
- **Full Stack Web Development** – [INTERACTIVE CARES](#)

ACTIVITIES

- HUB Programming and Skill Development Club - **PRESIDENT**
- ICT Olympiad Bangladesh - **CAMPUS AMBASSADOR**

PARTICIPATION

- The 2023 and 2024 ICPC Asia Dhaka Regional Site Online Preliminary Contest

REFERENCE

Engr. Md. Monowar Hossain

Associate Professor

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