

MD AL EMRAN

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CAREER OBJECTIVE

Final-year Computer Science student specializing in Machine Learning and Data Science, with hands-on experience in data analysis and developing predictive models using Python and SQL .

Education

United International University (UIU), Dhaka, Bangladesh

Feb 2022-July 2026

- B.Sc. in Computer Science & Engineering (Major: Data Science)
- Current CGPA: — Status: Final Year

Skills Summary

- **Languages & Frameworks:** Python, SQL, TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy
- **Tools & Platforms:** Power BI, Matplotlib, Excel (Advanced), Git, GitHub
- **Database:** MySQL, SQLite
- **Soft Skills:** Analytical Thinking, Problem Solving, Team Collaboration, Communication, Adaptability

Projects

Innovest — AI-Powered Fintech Platform | GitHub

- Full-stack fintech platform connecting startups with investors using ML-based matchmaking.
- **Tools:** Django, DRF, React, Firebase, scikit-learn, SSLCommerz, JWT
- **Features:** AI-driven matching, role-based dashboards, KYC & payments, real-time chat & community.

ByteArena – Competitive Programming Platform | GitHub

- Full-stack platform for coding contests and practice problems with separate user and admin panels.
- **Tools:** Django, DRF, React, Firebase Auth, Supabase/PostgreSQL, JWT
- **Features:** Contests, problem authoring, submissions with scoring, live leaderboards.

UniEats — University Canteen Management System | GitHub

- Desktop platform for campus canteen management with user and admin dashboards.
- **Tools:** Java 17, JavaFX, SQLite, MVC/DAO, JUnit
- **Features:** Menu & ordering, cart & checkout, meal plans, payments, rewards, wishlist, admin management

Research & Publications

Predicting Academic Resilience in Students with Depression Using Machine Learning | GitHub

- Used Gradient Boosting, Random Forest, XGBoost, SVM, and Neural Networks; achieved $R^2 = 0.999$ and top classification performance; performed clustering validated with Silhouette Score.

Deep Learning-Based Information Extraction from Bangladeshi Land Documents (Thesis) | GitHub

- Developing an OCR and NLP pipeline for Bangla land records to extract structured data and digitize governance records.

Certifications & Training

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| • Data Analyst & Power BI — Interactive Care CERTIFICATE | • Basic Python, SQL — (Udemy) CERTIFICATE |
| • Microsoft Office — (Udemy) CERTIFICATE | • Git & GitHub — (Udemy) CERTIFICATE |
| • Advanced Excel — (Udemy) CERTIFICATE | |