

# MD AL EMRAN

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## CAREER OBJECTIVE

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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

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**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

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- **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

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**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

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**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
- Microsoft Office — (Udemy) | CERTIFICATE
- Advanced Excel — (Udemy) | CERTIFICATE
- Basic Python, SQL — (Udemy) | CERTIFICATE
- Git & GitHub — (Udemy) | CERTIFICATE