



# FATEMA AMIR AMI

Data Analyst | AI & Machine Learning Developer

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## EDUCATION

- B.Sc. in Computer Science and Engineering (CSE)
- Green University of Bangladesh (Expected: Jan 2026)
- Current CGPA: 3.41

## SKILLS

- . Programming Languages: Python, SQL,R (basic)
- . Data Analysis Tools: Pandas, NumPy, scikit-learn, Power BI
- ML/DL Frameworks: TensorFlow, Scikit-learn, Keras
- Cloud & Deployment: AWS, Docker, Fast API
- Web Development: Django, Flask, HTML5, CSS3, JavaScript, Bootstrap
- . Data Visualization: Matplotlib, Seaborn
- Microsoft Office ( Excel (Pivot Tables, VLOOKUP), Word, PowerPoint)
- Cleaning, Exploratory Data Analysis
- . Problem-Solving & Critical Thinking
- . Teamwork & collaboration
- . Strong analytical and problem-solving ability

## About Me

Motivated and detail-oriented Computer Science and Engineering final-year student with strong skills in Python programming, data analysis, and visualization. Seeking a Internship to apply analytical skills, statistical knowledge, and data-driven problem-solving to real-world business challenges while gaining professional experience.

## ACADEMIC PROJECTS

### Canteen Arena – Online Food Ordering System

- Developed a web application using PHP, MySQL, HTML, CSS.
- Implemented user authentication, food ordering, stock management features.
- Prepared and executed test cases for functional and usability testing.
- Reported and fixed bugs during the development phase.

### CampusWiz: Your go-to AI buddy for all university updates

- Developed a Python-based AI assistant that provides students with real-time university updates, notices, and event reminders.
- Integrated NLP and web scraping to fetch and deliver accurate, timely information.

### Secure File Transfer System

- Developed a Python-based encrypted file transfer tool using AES encryption.
- Implemented secure key exchange with RSA.

## **Sales Data Analysis (Python & Pandas)**

- Analyzed retail sales dataset to identify revenue trends and customer behavior.
- Used Pandas for data cleaning and aggregation, Seaborn/Matplotlib for visualization.
- Presented insights on peak sales seasons and top-selling products.

## **Stock Price Prediction**

- Implemented a time-series forecasting model using LSTM networks.
- Collected, cleaned, and engineered features from historical stock data.
- Captured temporal dependencies for improved market trend prediction.
- Achieved higher forecasting accuracy compared to regression-based models.

## **Human Emotion Detection**

- Built a deep learning model using CNNs to classify emotions from facial expressions.
- Preprocessed datasets with augmentation and normalization.
- Deployed a real-time application using OpenCV and TensorFlow/Keras.

## **Student Performance Prediction(Python)**

- Collected and preprocessed student exam data.
- Applied regression models using Scikit-learn to predict scores.
- Achieved ~85% accuracy and visualized feature importance.

## **LANGUAGE**

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- Bangla
- English

## **EXTRACURRICULAR ACTIVITIES**

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- Member, BASIS Student's Forum Club Green University of Bangladesh Chapter 2025
- Anchor in Road to Dream Destination :A Session with International Experts at Green University of Bangladesh 2025.
- .Completed python course from Enhancing Digital Government and Economy (EDGE) 2025
- Volunteer, CSE Carnival, Green University of Bangladesh 2024.
- Career Campus V1.0 (Grace) Green University of Bangladesh 2024
- Campus Ambassadors at ICT Olympiad 2022