

Mohammad Mansib Newaz

Full-Stack Developer | Backend-Focused | Practical AI Integration

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PROFESSIONAL SUMMARY

Final-year computer science student and full-stack developer building responsive interfaces, secure APIs, and structured data systems. Work spans React and JavaScript frontends, FastAPI backends, PostgreSQL, authentication, and deployment, with machine learning and computer vision used as supporting product capabilities when appropriate.

TECHNICAL SKILLS

Languages: Python, JavaScript, C/C++, SQL

Backend and Web: FastAPI, Flask, Node.js, RESTful APIs

Data and AI/ML: PostgreSQL, TensorFlow, PyTorch, Scikit-learn, OpenCV, YOLO

Tools and Platforms: Docker, Git, GitHub, Linux, Azure

EXPERIENCE

Back End Developer

Self-employed | Jun 2022 - Jul 2023

- Developed robust backend systems for various applications.
- Implemented secure API development practices.
- Focused on automation and efficiency improvements.

KEY PROJECTS

Multimodal Deepfake Detection AI

FastAPI-based system to detect deepfakes and misinformation across images, text, and URLs using Microsoft Azure OpenAI models.

Traffic Sign Recognition (YOLOv11n)

Real-time traffic sign detection for autonomous driving and road safety applications using Python, PyTorch, and OpenCV.

Customer Relationship Management

Web-based support ticket management with a FastAPI backend, filtering, and search capabilities.

Manufacturing DBMS (mdbms-html)

Interactive front-end project for a manufacturing database management system using HTML, CSS, and JavaScript.

EDUCATION

Bachelor's in Computer Science

North South University | Jan 2019 - Jul 2026

A Levels and O Levels

Mastermind School | 2016 - 2019

Middle School Diploma

Rama Global School | 2012 - 2015

CERTIFICATIONS

- Claude Code in Action
- Defensive Security and Cyber Risk
- AI Fluency for Students
- Model Context Protocol: Advanced Topics

HONORS AND AWARDS

- Edexcel High Achievers Award
- The Daily Star Award

LANGUAGES

Bengali (Professional), English (Native / Bilingual), Indonesian (Professional), Hindi (Limited)