



MD. ARAFATUZZAMAN

Developer | IoT Enthusiast | AI/ML Explorer

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md-amakky

mdmakky

Professional Summary

Computer Science graduate specializing in full-stack development with React, FastAPI, and Python. Experienced in IoT systems, AI/ML integration with RAG architectures, and building collaborative web platforms. Proven ability to develop responsive UIs, robust APIs, and intelligent document analysis systems.

Education

Jashore University of Science and Technology

Bachelor of Science in Computer Science & Engineering

Graduated: 2024

CGPA: 3.17/4.0

Technical Skills

Frontend: React.js, JavaScript (ES6+), HTML5, CSS3, TailwindCSS

Backend: FastAPI, Python

Databases: PostgreSQL, SQLite, ChromaDB (Vector DB)

IoT & Hardware: Raspberry Pi, Computer Vision, Sensor Integration

AI/ML: Langchain, Google Gemini AI, RAG Systems, PyTorch

Tools: Git, GitHub, Vite, Linux, Docker

Projects

PetNest (Team Project) | JavaScript, Node.js, Express, MongoDB, React

GitHub

- Created full-featured pet adoption platform with RESTful APIs for authentication, listings, and services
- Built responsive React frontend with search, filter features and MongoDB database schema

Mentora AI | React, FastAPI, Python, Langchain, Google Gemini AI

GitHub

- AI-powered PDF study assistant with RAG system for document-specific Q&A and analytics dashboard
- Built with React frontend, FastAPI backend, ChromaDB vector storage for intelligent document analysis

Share-Reads WebAPP (Team Project) | EJS, Node.js, Express, MongoDB

GitHub

- Book sharing platform with user profiles, reviews, ratings, and server-side rendering using EJS

Facebook Element Hider | JavaScript, Chrome Extension, DOM Manipulation

GitHub

- Chrome extension for customizable Facebook UI cleanup with instant CSS hiding and smart element detection

Achievements & Activities

Competitive Programming: Participated in CTF competitions and cybersecurity challenges

Hackathons: Active participant collaborating on innovative solutions under time constraints

Robosociety Member: University robotics society, working on IoT and hardware projects

Open Source: Active GitHub contributor with multiple public repositories

Certifications

Digital Skills 4 Students - AI/ML Course

Bangladesh Govt Initiative

Member - Robosociety

Jashore University of Science and Technology