# MD. ARAFATUZZAMAN

*Developer | IoT Enthusiast | AI/ML Explorer*

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## 👤 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**                                    **Graduated: 2024**
*Bachelor of Science in Computer Science & Engineering*                              *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**