MD. ABU SAYED

Software Developer | AI Engineer | MERN Stack Developer
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Objective

Motivated and self-driven software developer and AI enthusiast with a strong foundation in MERN stack development, machine learning, and deep learning technologies. Experienced in building full-stack applications, implementing AI-powered features, and skilled in Python, TensorFlow, Keras, and computer vision. Currently pursuing a diploma in engineering while contributing to real-world software projects. Eager to explore Cloud Computing, DevOps, Hardware Infrastructure and Networking.

Education

- Diploma in Engineering in Computer Science And Technology

  Rajshahi Polytechnic Institute , 2023 - Current

- SSC(Secondary School Certificate)

  Ekdala High School , 2022 ,GPA : 5/5

Technical Skills

- **Languages & Tools:** JavaScript (ES6+), Python, C, HTML5, CSS3, Tailwind CSS
- **Frameworks:** MongoDB, Express.js, React.js, Node.js (MERN)
- **ML/DL:** TensorFlow, Keras, Scikit-learn, Pandas, NumPy
- **Other:** Git, GitHub, REST APIs, JSON
- **Specialized:** Full-Stack Web Development, Ai Engineering, Machine Learning, Deep Learning, NLP, Data Visualization

Projects

- ### Automatic Exam Control & Seat Allocation System

  Overview: Built a MERN stack application for Rajshahi Polytechnic Institute to automate seat allocation and exam control processes, preventing students from the same department sitting side-by-side.
  Technologies: MongoDB, Express.js, React, Node.js, Tailwind CSS, Socket.IO, JWT
  Outcome: Reduced manual seat planning time by over 90% and improved fairness in student seating.
  Link: *aecs.absyd.xyz* | *Github* .

- **Smart Food Cart System (QR-Order & Live Queue)**

  Overview: Created a full-stack app for food cart vendors allowing customers to scan QR codes to order, track live queue status, and get real-time updates.
  Technologies: MongoDB, Next.js, Express, Node.js, WebSockets, Stripe API, Firebase Notifications
  Outcome: Enabled a 30% faster order handling process and increased customer satisfaction with real-time tracking.
  Link: GitHub

- **AI-Powered Face Detection Attendance System**

  Overview: Built a smart attendance system that uses real-time face detection and recognition via deep learning models, integrated into a web-based interface for secure and automated check-ins.
  Technologies: Python, OpenCV, Flask, Dlib, FaceNet, SQLite
  Outcome: Automated attendance logging with 95%+ face recognition accuracy, reducing manual   entry and proxy attendance.
  Link: Github

Achievements

- **Winner – Skills Competition :** Secured first place in a ASSET skills competition, demonstrating excellence in python software development.

Certifications And Licenses

- **AI Engineering** - Proficiency in MERN Stack, Python, TensorFlow, Keras (2024)
- **Data Science Certificate Program** - Ostad (Mar 2024)
- **Unsupervised Learning, Recommenders, Reinforcement Learning** - Coursera (Aug 2023) - ID: 8N3JGWX363TL
- **Advanced Learning Algorithms** - Coursera (Aug 2023) - ID: LDJJBMHS7R7W
- **Supervised ML**: Regression and Classification - Coursera (Jul 2023) - ID: RR9DMMVMG4EG
- **Calculus for ML and Data Science** - Coursera (May 2023) - ID: HE75B9WMAMC8