Mohamed Faizal S H

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Education

BSA Crescent Institute of Science and Technology   Chennai, IND
B.Tech IT   CGPA: 7.7   2021 - 2025
Relevant Coursework: Web Programming with Python and JavaScript, Full Stack Development, Data Analytics, AI/ML Engineering, Internet of Things, Cyber Forensics, Data Structures and Algorithms.
Design Project: **Face Recognition Attendance System:** AI-based system using OpenCV and TensorFlow with 90%+ real-time accuracy.

Shri Anand Jain Vidyalaya Higher Secondary School
Chennai, IND
Scored:84% I Higher Secondary, Class Leader   2021

Engineering Research Experience

Hexaware Technologies – Mavericks Hackathon   **Chennai, IND**
Project: HexaRideShare – Carpooling Application (Winner)   Oct–Dec 2024
- Designed and developed a carpooling application to optimize ride-sharing and reduce travel costs.
- Implemented the frontend using React and backend using Node.js with MongoDB integration.
- Integrated Google Maps API for real-time location tracking to issue resolution and route optimization.
- Won first place for innovation, usability, Troubleshooting and impact at the Mavericks Hackathon hosted by Hexaware Technologies.

NOVITECH R&D Pvt Ltd
Remote, IND
Full-Stack Web Development Intern   July-Sep 2024
- Built and deployed a full-stack web application to manage personal income, expenses, and budgets.
- Implemented secure user authentication and role-based access using Python (Flask) and JavaScript.
- Integrated frontend components with RESTful APIs and collaborated in Agile development sprints.
- Debugged API failures and fixed frontend/backend integration issues using Flask + JavaScript for system validation.

KODACY
Remote, IND
Robotics & Embedded Systems Intern   Nov 2023
- Developed an Arduino-based Line Follower Robot using infrared sensors and internal tools for automated path tracking.
- Programmed real-time microcontroller logic and support workflow using C++ to simulate autonomous robotic navigation.
- Explored embedded control systems and sensor integration for basic robotics applications.

Leadership & Activities

Crescent Engineering College- Society of Information Technologists, Joint Secretary   Sept 2022 – 2025
- Organize monthly meetings and activities for the engineering community at university.
- Host guest speakers, Inauguration speaker, manage communications, and plan events.

Skills & Interests

Technical Languages: JavaScript, Java and Python with DS & AL/ML Algorithms
Frontend: React.js, Node.js, Advance HTML, CSS
Technical Tools: VS Code, Anaconda(Jupyter Notebook), PyCharm, GitHub, Figma, Postman API, Power BI, MySQL, DBMS Unit testing with PyTest, Docker
AI Gen Tools: Microsoft Azure AI Platform, GitHub Copilot, Zapier, Chat GPT
Certifications:
- In Learning path of Azure AI Engineer Associate Certification in Microsoft Ignite
- Successfully completed Web Programming with Python and JavaScript through Harvard University Online
- Completed course for Basic Azure and Distributed System concepts in Microsoft Learn
- Completed Machine Learning with Python certification from IBM Cognitive Class