MANOJ V

B.Tech Artificial Intelligence and Data Science | Muthayammal Engineering College

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Objective/Summary:

Enthusiastic and solutions-driven Artificial Intelligence and Data Science undergraduate with strong skills in Python, computer vision, and MERN stack development. Proven experience in building production-ready AI applications, including a real-time face recognition attendance system integrating OpenCV, Flask, and React.js for automated user identification and data management. Microsoft Certified in Azure AI Fundamentals, with solid foundations in ML pipelines and practical deployment. Seeking an AI Engineer internship to leverage deep learning, computer vision, and fullstack development skills in creating impactful, scalable AI solutions for real-world problems.

Education:

B.Tech in Artificial Intelligence and Data Science   2023 - 2027

Muthayammal Engineering College, Tamil Nadu

CGPA: 7.5/10

Higher Secondary (XII), Tamil Nadu State Board   2023

SHRI SWAMY MATRIC HR. SEC. SCHOOL ,

Percentage: 73.6%

Secondary (X), Tamil Nadu State Board – 80%   2021

SHRI SWAMY MATRIC HR. SEC. SCHOOL , Percentage:
80%

Technical Skills:

- **Programming**: Python, Java, JavaScript
- **Web Development**: HTML, CSS, React.js, Node.js, Express.js, MongoDB (**MERN Stack**)
- **AI/ML**: NumPy, pandas, scikit-learn, TensorFlow, OpenCV
- **Tools**: Git, VS Code, Jupyter Notebook

Projects:

Face Recognition Attendance System | Python, OpenCV, Flask, MongoDB, React.js

- Developed a real-time face recognition attendance system using Python and OpenCV (Haar cascades, LBPH algorithm) for automatic identification and marking of student and faculty attendance.

- Designed and integrated Flask RESTful APIs to process captured images, recognize faces, and log attendance data with precise login time, logout time, and delay status in MongoDB.

- Engineered a React.js frontend dashboard for administrators to manage student and faculty profiles, view daily attendance reports, and export data to Excel.

- Implemented database schema design in MongoDB for structured storage of user details and attendance logs.

- Key Technologies: Python, OpenCV, Flask, MongoDB, React.js, Node.js

Certifications:

Microsoft Certified: Azure AI Fundamentals (AI-900) – June 2025

Achievements:

Solved 70+ DSA problems on LeetCode.