SAJJAD AHMED T A

PRE-FINAL YEAR ENGINEERING STUDENT

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PROFESSIONAL PROFILE

ML-Integrated Full-Stack Developer with strong problem-solving skills and a solid foundation in DSA. Experienced in computer vision using OpenCV and ResNet for image processing and recognition. Proficient in HTML, CSS, and JavaScript, with a keen interest in building AI-driven, user-friendly applications.

EXPERIENCE

INDOOR TRACKING USING BLE TAGS AND BLUETOOTH GATEWAYS   2025 JUN - NOW

- Engineered an Indoor Tracking System using Bluetooth Low Energy (BLE) tags and Bluetooth gateways to accurately track the movement of individuals within indoor environments.
- Developed real-time data collection for location estimation and enhanced accuracy by optimizing signal strength calibration and gateway placement.

EDUCATION

2023 - 2027 UG CGPA - 8.81	**Bachelor of Information Technology** Easwari Engineering College
2022-2023 Percentage - 95%	**12th Grade - Computer Science (PCM)** Dhanish Matriculation Higher SecondarySchool

PROJECTS

SMART WEB APP FOR CONTACTLESS ATTENDANCE

- Developed a web app for attendance using face recognition implemented with OpenCV and a ResNet-based deep learning model for accurate face detection and recognition
- Implemented real-time video processing, automated attendance logging, and a secure database to ensure fast, reliable, and duplicate-free records.

NEURO ASSIST AI WITH FACE RECOGNITION AND TTS

- Built an assistive tool for neuro divergent students using OpenCV for face detection and pyttsx3 for voice output. Improved student attention tracking with real-time feedback.
- Building a web app to analyse the performance of individuals on their dashboards.

SKILLS

- **Programming Languages & libraries:** Java, Python, C, SQL, JavaScript, openCV, ResNet, pandas, matplotlib, TTS
- **Web Technologies:** HTML, CSS, JS, Flask(python)
- **Libraries & Tools:** VSCode, Git/Github, POSTMAN api, google colab, n8n

CERTIFICATIONS

- **Oracle -** Java for AP Computer Science
- **Elewayte -** Python Programming (Pandas, NumPy, Matplotlib, Seaborn)
- **Ethical Intelligent Technologies -** Internship completion with an opportunity to extend
- **Hackathon Finalist** – SSN College of Engineering (12-hour event)