Alan Saji

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Education

Vellore Institute of Technology, Bhopal　　　　　　　　　　July 2021 – June 2025
Pursued Bachelor of Technology in Computer Science and Engineering with a CGPA of 8.27/10

St. Thomas Residential School, Thiruvananthapuram　　　　July 2019 – June 2021
Graduated 12th Standard from ISC board with 87%

Projects

MindMate – AI-Powered Real-Time Support Platform
Appwrite Hackathon Project | Next.js, Appwrite, Prisma, Hugging Face, BetterAuth

- Built **a full-stack web** platform enabling 1:1 real-time conversation between Speakers and Listeners using **Next.js 14** and **Appwrite Realtime.**
- Integrated **Hugging Face Inference API** to provide **AI-powered session insights**, including topic matching, conversation summaries, and sentiment analysis.
- Collaborated on deployment with **Appwrite Cloud** for backend hosting and real-time APIs, reducing infrastructure setup time by **40%**.
- Link: https://mind-mate.appwrite.network/

Face Recognition Attendance System　　　　　　　　　　August 2025
C++ & Java Swing

- Engineered a **real-time face recognition attendance system** achieving >95% accuracy using OpenCV (LBPH recognizer).
- Reduced manual attendance logging by **100% automation**, processing input from live camera feeds in under **1.5s per recognition**.
- Designed an interactive Java Swing GUI with persistent text-based storage for **scalable record management**.
- Link: github.com/Alansaji2003/face-recognition-attendance

Plant Disease Prediction　　　　　　　　　　　　　　　August 2025
Machine Learning

- Built a CNN model achieving **88% accuracy** on 50,000+ plant leaf images through preprocessing & augmentation.
- Increased model generalization by **25%** using rotation, flipping, and color normalization.
- Deployed via a **Streamlit web app**, enabling **real-time user uploads** for disease classification within 2s.
- Link: github.com/Alansaji2003/machine-learning/tree/main/Python/Plant%20Disease%20Prediction

Skills

Technical skills: *Programming Languages:* C++ (Intermediate), Java (Intermediate), Python (Intermediate), *Full-Stack:* MERN, Next.js; *API Integration and Testing:* Postman; Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn; Machine Learning: CNNs, Data Preprocessing, Transfer Learning, Model Optimization, Image Classification, NLP Basics
Additional Skills: Cloud Architecture, Database Management Systems, Object-Oriented Programming

Certicfications

• Complete Web Development Bootcamp – Udemy • Foundation of UIUX – Google, Coursera • Oracle Certified Java Foundations Associate • Microsoft Certified Power Platform App Maker • 50 Days of code badge – LeetCode

Internship Experience

Unified Mentor, Gurgaon, Haryana, remote　　　　　　　July 2024 – Augus t2024
- Delivered **3 full-stack applications** demonstrating strong problem-solving and end-to-end development skills.
- **Web Music Player:** Built a responsive app supporting 500+ songs using Firebase, improving streaming latency by 20%**. Link: Symphony
- **Expense Tracker**: **Expense Tracker**: Designed with Next.js & Drizzle ORM, reducing DB query times by **35%**. Link: Bixpense
- **Supermall Management System**: Integrated Firebase Authentication & React Context API, scaling to **500 shops & 2,000+ products** while maintaining secure logins and efficient state management. Link: ZapShop

Additional

- **Languages**: Malayalam (Native), English (Fluent), Hindi (Fluent).
- **Soft Skills:** Problem-Solving, Team Collaboration, Time Management, Adaptability, Communication