

Arush Nandakumar Menon

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Computer Science undergrad with practical experience in machine learning and full-stack development, skilled in project leadership and agile teamwork, focused on building efficient, scalable solutions for real-world applications..

EDUCATION

Bachelor of Technology in Computer Science Engineering	2023 – Present
VIT Bhopal University Bhopal, Madhya Pradesh – 8.03 GPA	
Senior Secondary Education (Class XII)	2023
Sri Chaitanya Techno School, Bangalore, Karnataka – 87%	
Secondary Education (Class X)	2021
Sri Chaitanya Techno School, Bangalore, Karnataka – 77.4%	

PROJECTS

Face Detection-Based Attendance System	Jan, 2025 – May, 2025
<ul style="list-style-type: none">Developed an ML-based attendance system using a custom-trained face recognition model (98% accuracy), enabling real-time, automated attendance tracking and streamlining monitoring with a Flask and OpenCV web application.Tech Stack: Python, Flask, OpenCV, dlib, HTML, CSS, JavaScriptLink: https://github.com/arushn47/Face-Detection-Based-Attendance-System	
Local AI	Jul, 2025 – Aug, 2025
<ul style="list-style-type: none">Built a privacy-focused offline AI assistant leveraging Ollama, integrating Next.js, Tailwind CSS, and Flask backend for efficient, secure, scalable local large language model interactions, ensuring enhanced user data privacy.Tech Stack: Next.js, Tailwind CSS, Python (Flask), OllamaLink: https://github.com/arushn47/local-ai	
Tree Detection and Count	Aug, 2024 – Jan, 2025
<ul style="list-style-type: none">Created a YOLOv8-based model to accurately detect and count trees from high-resolution aerial imagery (achieving 92% accuracy), integrated with a user-friendly Flask-powered web interface for seamless visualization and interaction.Tech Stack: YOLOv8, Python, OpenCV, Flask, HTML, CSS, JavaScript.Link: https://github.com/arushn47/Tree-Detection-and-Count	

EXPERIENCE

Technical Lead	Jan, 2025 – May, 2025
The Electrical Vehicle Club, VIT Bhopal University <ul style="list-style-type: none">Led operational and technical support initiatives including managing comprehensive event logistics, creating engaging digital content, overseeing effective club communications, and developing and maintaining the EV Club website to significantly enhance member engagement and streamline overall club activities.	
Graphic Design Co-Lead	Feb, 2024 – Dec, 2024
The Electrical Vehicle Club, VIT Bhopal University <ul style="list-style-type: none">Co-led the creation and comprehensive management of compelling promotional graphic content for club initiatives, ensuring consistent brand identity, enhanced visual appeal, and effective team collaboration.	

OTHER (SKILLS, CERTIFICATES, LANGUAGES)

- Skills:** Java, Python, C/C++, JavaScript, SQL, DSA, REST APIs, MERN Stack, Next.js, Tailwind CSS, GSAP, Docker, AWS, Git
- Certificates:** Introduction to Machine Learning (NPTEL – IIT), Full Stack Web Development (Apna College Delta), AWS Cloud Practitioner Essentials (AWS)
- Languages:** English (Fluent), Hindi (Fluent), Malayalam (Native), Tamil (Intermediate)