Aniruddha Sukanth

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Education

Amrita Vishwa Vidyapeetham — Coimbatore, India
Bachelor of Technology in Computer Science and Engineering — *2024 – 2028*

Experience

Software Development Intern — Apr. 2026 – May 2026
IMIK Technologies — *India*

- Revamped the entire UI of **Coir Power**, IMIK's IoT platform for monitoring power, production, and water usage across coir manufacturing units
- Built and integrated an **AI chatbot in Python** into the platform for conversational interactions with plant data
- Deployed the **Laravel 12** application on **AWS EC2** (Ubuntu, Nginx, MySQL), configuring server environments and deployment workflows
- Debugged and resolved issues across backend services, APIs, and databases in a live production codebase

Projects

Shoplifting Detection | *PyTorch, PyTorchVideo, Swin Transformers, OpenCV, Flask* — GitHub

- Built a deep learning system that flags suspicious moments in retail CCTV footage using a **Transformer over Video Swin features**
- Achieved **87.6% AUC** on shoplifting detection; Flask web app lets users upload a video and see when activity looks anomalous

jamr.io | *Next.js, TypeScript, FastAPI, PostgreSQL, Redis, WebSockets* — GitHub

- Built a real-time music matchmaking platform that pairs users by **Spotify listening taste** and drops them into live rooms linked to Spotify Jams
- Next.js/TypeScript frontend with a FastAPI + PostgreSQL backend; WebSockets for live room communication and Redis for caching and transient state

Eidothea | *Next.js, React, TypeScript, Motion, Python, Azure* — Live

- Built and launched a dark-themed archive of creepypastas, SCP entries, cryptids, and game lore, separating clean canon pages from discussion threads for theories
- **Self-hosted on an Azure VM**, handling deployment and server setup end to end

A.D.H.D | *Next.js, TypeScript, FastAPI, PostgreSQL, PostGIS* — GitHub

- Building a student-driven map of places and activities around campus with **trust scores** and **verified reviews**, using PostGIS for geospatial queries

Velto | *Kotlin, Jetpack Compose, Material 3, Room, Hilt* — GitHub

- Building a native Android to-do app that picks the user's next task and starts a focus timer in one tap, with local persistence via Room and DI via Hilt

Technical Skills

Languages: Python, C, C++, Java, Kotlin, JavaScript, TypeScript, SQL, PHP, C#
Frameworks: Next.js, React, FastAPI, Flask, Laravel, Node.js, Jetpack Compose
AI/ML: PyTorch, OpenCV, scikit-learn, NumPy, Pandas, Matplotlib, LangChain, Ollama, ChromaDB
Databases: PostgreSQL (PostGIS), MySQL, SQLite, MongoDB, Redis, Supabase, Firebase
Cloud & DevOps: AWS (EC2), Azure, Docker, Kubernetes, Nginx, Linux, Bash, Git, GitHub