

Suthekshan Karuppusami

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Coimbatore, Tamil Nadu, India

Education

- **B.Tech in Computer Science & Engineering (Artificial Intelligence)** 8.22 / 10 CGPA
Amrita School of AI, Amrita Vishwa Vidyapeetham, Coimbatore 2023 - Present
- **Secondary and Higher Secondary Education** SSLC: 90% HSC: 89%
Vivekam Senior Secondary School, Coimbatore SSLC: 2020 - 2021 HSC: 2022 - 2023

Skills

- **Languages Programming:** Java, C++, Python, JavaScript, C, Scala
- **Backend & Frameworks:** Spring (Basics), Django, FastAPI, Flask, Node.js, REST APIs, ReactJS, HTML5, CSS3, tailwind CSS
- **Databases:** MySQL, PostgreSQL, MongoDB, SQL
- **Tools & Cloud:** Git, Docker, Postman, Linux, Apache Kafka, AWS, Azure, GCP
- **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Operating Systems (Fundamentals), Software Engineering, Machine Learning, Deep Learning, NLP, Big Data Analytics, Cloud Computing

Projects

- **FindIn.ai – AI-Powered Startup Intelligence Platform** *Dec 2025 - Jan 2026*
 - Built a multi-agent RAG-based platform for startup analysis, investor matching, and policy intelligence focused on the Indian startup ecosystem.
 - Designed a 6-agent orchestrated pipeline with semantic search, multilingual AI chat, and real-time dashboards tailored to Indian startup and policy data.
- **Backstory Generation using T-CVAE** *June – Oct 2025*
 - Built a Transformer-based Conditional VAE to generate plausible "events-before" narratives from still images.
 - Extracted visual features using Mask R-CNN and enabled diverse narrative generation via multimodal latent sampling.
- **BeaconSmart – AI-Driven Smart Supermarket System** *Feb – Apr 2025*
 - Built a BLE-based system for customer localization, smart navigation, and personalized recommendations.
 - Achieved 0.681 mAP@0.5:0.95 and 0.817 recall using YOLOv11-L for real-time freshness-based pricing.
- **Tendon-Driven Robotic Hand for ASL Translation** *Feb – Apr 2025*
 - Developed a robotic hand to translate speech into ASL gestures for improved accessibility.
 - Integrated Whisper speech recognition and MediaPipe for real-time, accurate sign execution.

Experience

- **Qube Space LLP, Coimbatore** *April 2025 - June 2025*
Python – AI & ML Intern
- **IETE, Amrita School of Engineering, Coimbatore - Competitive Programming Member** *Aug 2025 – Present*
Organized competitive programming workshops and contests.

Achievements

- **Won 1st place among 200+ teams** at the AI-Verse Hackathon 2026, a national-level hackathon conducted as part of Anokha Tech Fest.
- **Top 10 finalist among 100 teams** in the GenAI x Gender Tech Hackathon, conducted as part of the *International Conference on Gender and Technology 2025*
- **Algorithmic Problem Solving – LeetCode Practice**
 - Solved 200+ problems across arrays, linked list graphs and dynamic programming.

Certifications

- **Introduction to Generative AI** [🔗](#) *Google Cloud*
- **Oracle Cloud Infrastructure Certified Foundations Associate** [🔗](#) *Oracle University*
- **Introduction to Large Language Models** [🔗](#) *NPTEL*
- **AWS Cloud Practitioner** [🔗](#) *AWS*