SANGEETH SANTHOSH S A

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EDUCATION

- **Master of Computer Applications (MCA)**
  APJ Abdul Kalam Technological University (KTU) - (2025 – Present)
- **Bachelor of Science in Computer Science**
  University of Kerala - (2022 – 2025)
- **Senior Secondary (CBSE)**
  Central Board of Secondary Education (CBSE) - (2021 – 2022)

EXPERIENCE

Full Stack Developer (Personal Projects & Freelance) **Jan 2026 – Present**

- Developed AI-powered full-stack web applications using React, Node.js, Django, Flask, PHP, and Python.
- Designed scalable REST APIs and responsive user interfaces for web-based applications.
- Built machine learning, computer vision, and automation solutions from concept to deployment.

TECHNICALSKILLS

- **Languages:** Python, JavaScript, PHP, Java, C, SQL
- **Frontend:** React.js, Next.js, HTML5, CSS3, Bootstrap
- **Backend:** Node.js, Express.js, Django, Flask, PHP
- **Databases:** MySQL, Oracle Database, SQLite
- **AI/ML:** TensorFlow, OpenCV, Machine Learning, Deep Learning, Computer Vision, NLP
- **Tools:** Git, GitHub, Linux, Figma, Ollama

PROJECTS

AURA – AI Desktop Assistant (Ongoing)
Python | Ollama | SQLite | NLP

• Developing an offline AI desktop assistant powered by local large language models (LLMs) with modular support for intelligent task automation.
• Built a modular architecture supporting notes, reminders, notifications, and model switching.
• Designing a scalable foundation for future cross-platform deployment and system-level automation.

PCOS / PCOD Risk Screening System
Python | Flask | Machine Learning

• Developed a machine learning application for early PCOS/PCOD risk prediction using healthcare data.
• Performed data preprocessing, model training, and evaluation to improve prediction accuracy.
• Built an interactive Flask-based web interface for real-time risk assessment.

Cartoonist Studio
Python | OpenCV | TensorFlow | Computer Vision

• Developed a computer vision application that converts photographs into cartoon-style artwork.
• Implemented OpenCV and TensorFlow image-processing pipelines for image stylization.
• Optimized the image processing pipeline to improve execution performance and image quality.

AeroSense
Python | Django | OpenWeather API | Machine Learning

• Developed an environmental monitoring application with real-time weather forecasting and air quality prediction.
• Integrated OpenWeather API and machine learning models for environmental data analysis.
• Designed an interactive dashboard for visualizing weather conditions and AQI insights.

CERTIFICATIONS

• NASA International Space Apps Challenge — Galactic Problem Solver (2025)
• LabLab.ai — AI Agents on Arc with USDC (2025)