

Sai Kousik Padarathi

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EDUCATION

Amrita Vishwa Vidyapeetham

Bachelor of Technology in Computer Science, CGPA: 9.75

Andhra Pradesh

Sep 2022 – May 2026

EXPERIENCE

AI Intern

June 2025 – Present

Amrita CREATE (Funded by Ministry of Education and Ministry of IT, Govt. of India)

Kerala

- Developing RAG-based AI Teaching Assistant using JS ML libraries and OLabs content.
- Implementing real-time student profiling with MySQL for personalized insights.
- Building analytics dashboard with Chart.js and Node.js to track students engagement.

PROJECTS

Saraswati | *Azure Cognitive Services, Data Bricks, Chart.js, ElevenLabs, n8n*

GitHub

- Developed a **neuroadaptive learning platform** using **emotion recognition** and **behavioral profiling** for personalized education.
- Integrated **Azure Cognitive Services** to track real-time student emotions during quizzes and deliver adaptive learning paths.
- Enabled **voice-to-voice interaction** and generated emotion-based analytics with visual reports using Python, Chart.js, and ElevenLabs.

Sanjeevani | *Python, Flask, FastAPI, OpenCV, React, ML*

GitHub

- Designed **Sanjeevani**, an AI-powered healthcare platform with **voice-to-voice interaction** and image-based diagnosis for accessible medical support.
- Integrated a women's health chatbot providing **personalized nutrition plans** based on the **menstrual cycle**, budget, and location.
- Developed a **prescription analyzer** suggesting precautions and reminders, and implemented **fake medicine detection** using digital signatures.

Suraksha | *Cybersecurity Tools, Agentic AI, ML, ElevenLabs, n8n*

GitHub

- Built **Suraksha**, an AI-powered cybersecurity assistant with **automated vulnerability detection**, smart port scanning, and **phishing-resistant email verification**.
- Integrated **real-time dashboards**, weak password alerts, and **multilingual conversational** support to enhance awareness and threat visibility for all users.
- Contextual education enabled through **voice-based learning**, **knowledge graphs**, and interactive explanations alongside detected vulnerabilities.

ACHIEVEMENTS

5× National Hackathon Winner

- **2nd Runner-Up – Tredence Infinity AI (RS 2,00,000)** : Engineered an adaptive GenAI solution using emotion and behavior profiling; judged by industry experts.
- **Winner – OLabs Hackathon (Rs 1,00,000)** : Govt. of India initiative; built an AI lab assistant with OCR, ISL and analytics for 25M+ students.
- **Winners – IIT-Hyderabad, Amrita Chennai, VIT Bhimavaram (Rs 50,000)** : Built RAG model, AI triage assistant, and multimodal healthcare tool with industry sponsors like Lenovo, Pathway Lab and GDG.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS

Frameworks & Libraries: LangChain, LangGraph, CrewAI, React.js, Node.js, Express.js, Flask, ML libraries

AI Tools & Concepts: RAG, LLM APIs, Prompt Engineering, Gemini, HuggingFace, ElevenLabs, n8n

Developer Tools: Git, Docker, VS Code, PyCharm, Postman, Power BI