

MASAPETA KURUVA BHARGAVA SRI SAI

Kurnool, Andhra Pradesh

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EDUCATION

Amrita Vishwa Vidyapeetham

B.Tech Computer Science and Engineering

2024 – 2028

Coimbatore

TECHNICAL SKILLS

Languages: Python, Rust, Java, TypeScript, C++, SQL

Backend: FastAPI, REST APIs, Microservices Architecture, Async Systems

AI / ML: Transformers, NLP, HuggingFace, Computer Vision (MediaPipe, OpenCV)

Web: Next.js, HTML5, CSS3, TypeScript

Embedded Systems: Arduino, IoT Systems

Tools: Git, Linux, Docker, Vercel

PROJECTS

Lumina API Gateway

Rust, Tokio, Axum, Hyper

2026

 GitHub

- Built async API gateway supporting concurrent routing and reverse proxy workflows.
- Designed modular architecture enabling scalable backend service composition.

DocAI Transformer Microservices

FastAPI, HuggingFace Transformers

2026

 GitHub

- Developed REST microservices for document summarization and contextual question answering.
- Designed scalable transformer inference pipelines for deployable NLP services.

Real-Time Behavioral Intelligence System

OpenCV, MediaPipe

2026

 GitHub

- Implemented multi-person posture tracking and gesture recognition pipeline from live video streams.
- Built temporal analytics supporting attention-state modeling across tracked individuals.

Smart Workspace Automation System

Arduino, Embedded C++

2025

 GitHub

- Developed embedded automation platform controlling lighting, fan speed, and posture reminders.
- Integrated sensor-driven decision logic for real-time environmental monitoring workflows.

NSS Attendance & Certificate Platform

Next.js, TypeScript

2025

 GitHub

- Built attendance tracking and automated certificate distribution platform for institutional workflows.

LEADERSHIP

INIT Club

Head of Logistics & Finance

2025 – Present

Amrita Vishwa Vidyapeetham

- Manage budgeting, logistics, and execution planning for technical workshops and engineering events.

National Service Scheme (NSS)

Student Coordinator

2024 – Present

Amrita Vishwa Vidyapeetham

- Coordinate volunteer teams supporting institutional outreach initiatives and campus programs.