Monithesh R

 github.com/mrs1409 linkedin.com/in/monitheshr rs1409monithesh@gmail.com

EDUCATION

AMC Engineering College	Jun 2026
B.E. Computer Science (AI & ML)	*CGPA: 8.92*
SSMRV PU College	2022
PCMC	*87%*

SKILLS

Languages: Python, C++, C, JavaScript, TypeScript, SQL, HTML, CSS

Frameworks / Tools: FastAPI, Flask, React, Node.js, PyTorch, TensorFlow, Supabase, Docker, Git, Raspberry Pi

Domains: Machine Learning, Deep Learning, NLP, Computer Vision, RAG, Agent Architectures, Model Deployment

EXPERIENCE

AI Research Intern — Sept 2025 – Present
RIMM Lab, Indian Institute of Science (IISc) — *Bengaluru*
- Developed a universal AI framework for multimodal product understanding and evaluation.
- Built benchmarking workflows and evaluation pipelines for research environments.
- Developed PyTorch + FastAPI pipelines for model prototyping and deployment.

AI Development Intern — Sept 2025 – Dec 2025
Canopi India Pvt. Ltd. — *Bengaluru*
- Developed agentic conversational systems integrated with Frappe ERP and FastAPI.
- Automated finance workflows using autonomous agent execution.

PROJECTS

Agentic System for DevOps (Major Project) | Python, FastAPI, LLM Agents — Dec 2025
- Built an autonomous DevOps assistant for system deviation detection and workflow automation.
- Implemented multi-agent orchestration and CI/CD-integrated diagnostics.

The Product Singularity: Universal AI Tool for Multimodal Product Understanding — Dec 2025
- Developed multimodal CV + NLP modules for product evaluation and analysis.
- Built benchmarking pipelines and deployed APIs using FastAPI.

Smart Cart AI | Python, React, Supabase, Raspberry Pi, Computer Vision — Oct 2025
- Developed automated retail cart prototype using Raspberry Pi and computer vision.
- Built full-stack workflow including React UI, Flask backend, and Supabase.

AI Travel & Weather Agent System | Python, FastAPI — Jul 2025
- Built autonomous agents performing travel and weather automation workflows.
- GitHub: github.com/mrs1409/AI_Travel_weather

ExpenseAI Financial Tracker | JavaScript, ML, NLP — Nov 2024
- Built ML-powered expense classification and NLP-based extraction.
- Repo: github.com/mrs1409/Expense-AI-

ACHIEVEMENTS

- 1st Place – ThinkUp Ideathon 2025, AMC Engineering College

- 2nd Runner-up – Hack Fusion (National Level), MIT Mysore

- 2nd Runner-up – TerraQuest 2K25 Hackathon (Smart Cart AI)