





Samanyu Reddy Allipuram

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 github.com/Samanyu-dev

EDUCATION

BE in Civil Engineering, Minor in Robotics and Automation, BITS Pilani, Hyderabad Campus

04/2025

SKILLS

- AI (Machine Learning, Reinforced Learning, Deep Learning, NLP, Robotics and Automation)
- Web Development (Reactjs, TypeScript, Node js,)
- Backend (Python, API, Database, git, Docker, MongoDB, FastAPI, Docker)
- App Development (IOS - SwiftUI, Cross Platform - Flutter)

EMPLOYMENT HISTORY

Full Stack Software Engineer Intern, Blueberry Digital Labs

05/2024 – 08/2024

- Developed calculators using React.js
- Wrote API contracts and collaborated with frontend engineers
- Worked with React framework and PHP

Hyderabad

AI Intern, Swecha Foundation

05/2025 – 08/2025

- Built AI agents and deployed via Hugging Face and Docker
- Learnt how to use ollama for the better of code architecture and resolving issues
- Led Flutter app development for multilingual dataset collection
- Built monitoring tool for interns activity and GitHub stats

Hyderabad

Back End Developer, NOSH Euphotic Labs

05/2025 – 09/2026

- Led a team for building a grocery ordering system using Instacart and Walmart
- Integrated APIs for cart automation

Remote

App Developer, BITS Hyderabad

11/2025 – 02/2026

- Developed a Flutter app for Durga Puja idol makers
- Used krea APIs for image generation and openai for ASR translation

Back End Developer, Loomlane


11/2025 – 02/2026

- Migrated backend from Supabase to MongoDB
- Implemented Google OAuth
- Integrated Razorpay and Stripe payments
- Implemented JWT authentication and refresh flow


Remote

PROJECTS


Network Performance

By using deep neural networks such as LSTM, CNN, Transformers, Autoencoders and GANs the study demonstrates how machine learning can automate network monitoring, reduce downtime, and improve resource allocation in real time environments. https://github.com/Samanyu-dev/Network_Performance.git 


Crisis Communication Environment

Multi turn OpenEnv environment for training and evaluating agents on crisis communication. The agent must manage an unfolding organizational crisis across four stakeholder audiences while new facts, planted falsehoods, deadlines arrive over time. https://github.com/Samanyu-dev/crisis_comm_env.git 

Self Driving Car RL

A RL agent which uses behaviour cloning to collect and learn from the dataset and use it to teach a neural network to drive a simulated car autonomously. https://drive.google.com/drive/folders/1WHj7Mi2_GexXXsKEW4x9PuRMecx5biL3?usp=sharing 

Oracle Agent

built an agent called Oracle that has to navigate through a grid full of hazards and reach the goal without dying. The grid has volcanoes, water bodies, land, and brick walls. The agent starts at the top left corner and has to reach the bottom right corner. https://github.com/NandanaK18/CSF407_2025_2022A4PSO398H-2023A2PSO910H-2022A7PS1294H-2022A7PS0005H.git 

HACKATHONS

Meta OpenEnv HF Scaler

- Finals : Top 100 Finalists
- Round 1 : Top 1500 out of 52000+ Participants

IQC World Quant Brain 2025

- Finalist
- Round 2 - top 20%
- Round 1 - top 20% (Rank : 420)