Rupesh Kumar Reddy Mucchukota

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CARRIER OBJECTIVE

Motivated computer science student seeking to apply and expand skills in full-stack development and AI. Keen interest in large language models and intelligent agents for innovative, real-world solutions.

EDUCATION

B.Tech in Computer Science   2023–2026 (Expected)
KL University — CGPA: 9.55

Diploma in Electronics & Communication   2020–2023
Loyola Polytechnic — 94.4%

High School   2020
Radha School Of learning — 82%

VIRTUAL INTERNSHIP

Full-Stack Developer Intern – All India Council for Technical Education (AICTE)

- Completed a virtual internship focused on full-stack web development fundamentals
- Gained hands-on experience with HTML, CSS, and JavaScript for front-end development

PROJECTS

Slate - Gamepad   *React Native, Flask, WebSockets, Tailwind CSS*

- Designed and developed an Android game controller application using React Native and Expo.
- Implemented real-time bi-directional communication using Flask and WebSockets for responsive control.
- Applied Tailwind CSS for creating a clean and responsive UI.

ATLAS Research Agent   *LangChain, Flask, React, LangGraph*

- Designed and implemented an AI-powered research assistant that autonomously gathers, analyzes, and synthesizes information from diverse web sources
- Engineered a multi-stage research pipeline using LangChain for data collection and LangGraph for orchestrating research workflows
- Developed a Flask backend with RESTful API endpoints to process research requests and manage task queues
- Built an interactive React frontend with real-time progress tracking and visualization of research findings

TECHNICAL SKILLS

- **Languages:** JavaScript, Python, Java
- **Web Technologies:** React.js, React Native, Node.js, Flask, REST APIs
- **Cloud and Tools:** AWS (EC2, S3, Lambda), Github, Git
- **Databases:** MongoDB, SQL

ACHIEVEMENTS

Bosch's The Second Mind Hackathon – Finalist (Top 17 out of 200 teams)

- Developed a Research Agent to automate data collection and analysis, enhancing research workflows
- Collaborated with a team to use LangChain, Ollama, and Flask to develop a competitive solution, reaching the finalist stage

CERTIFICATIONS

- AWS Certified Cloud Practitioner

HOBBIES AND INTERESTS

Reading Books ,Watching Movies