

Rajiv Ranjan

Github: github.com/rjrajeev256

Portfolio: <https://portfoilo-githud-io.onrender.com/>

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Education

Vellore Institute of Technology

Bachelor of Technology in Computer Science and engineering (GPA: 8.16 / 10)

Expected July 2025

Bhopal, Madhya Pradesh

Technical Skills

Languages: C++, SQL, Python, HTML/CSS

Frameworks: Flask, MERN Stack, React.js, Node.js, Express.js

Tools: AWS Cloud, Firebase, MongoDB, Git, Postman, Docker,

Concepts: Data visualization, Version Control, REST APIs Integration, Docker containerization, Agile Methodology, AWS Concepts

Projects

AI-Enhanced E-Commerce Website for Social Media Content Conversion : (Github)

- **AI-Powered Product Listing Generation:** Built a web app to convert social media content into Amazon product listings using Gemini AI for data analysis and AWS Rekognition and AWS Transcribe for content extraction.
- **Social Media Data Extraction:** Leveraged Apify to fetch and analyze content, applying conditional logic for file-type differentiation.
- **User Authentication Security:** Implemented OAuth for secure user login and Firebase (Google Cloud) for scalable real-time data storage and management.
- **Containerized Deployment:** Deployed the app with Docker and applied prompt engineering for accurate AI-driven e-commerce automation.
Technologies: React.js, Node.js(ES6), AWS cloud, Firebase, OAuth2.0, Docker, Cloudinary, Apify

AI-driven Trip Planner (Web Application) : (Github)

- **Dynamic Trip Planning:** Developed a responsive web application enabling users to create personalized itineraries by integrating the Gemini API to process budget and duration inputs.
- **Visual Enrichment:** Used the Google Place and Search APIs to fetch and display images of recommended destinations, enriching trip plans with engaging visuals without the need for image storage.
- **User Authentication Security:** Utilized Firebase for secure authentication and data storage, integrating OAuth for a smooth, reliable login process, ensuring a seamless user experience.
- **AI Query Refinement:** Leveraged prompt engineering to refine API queries, ensuring accurate and personalized itinerary generation for users. **Technologies:** React.js, Gemini API, Firebase, Google Place API, OAuth, schdn ui

Trading Chart | (GitHub)

- **Responsive Chart Design:** Designed and integrated responsive charts using lightweight libraries and Bootstrap, ensuring seamless functionality across various devices.
- **Diverse Chart Types:** Implemented multiple chart types, including candlestick and line charts, along with a date selection feature for detailed market trend analysis.
- **Enhanced Versatility:** Added custom indicators to provide advanced analytical capabilities and improve user insights.
Technologies: React.js, Flask, Restful APIs, Bootstrap, TradingView Lightweight Library

Internship

LinkedIn AI-Reply chrome Extension

frontend developer, at Edunet Foundation

- Developed a Chrome extension using Plasmio and React.js to generate AI-powered replies for LinkedIn messages, aimed at improving user engagement and communication efficiency.
- Utilized open-source AI APIs to analyze incoming LinkedIn messages and suggest personalized, contextually relevant replies.
- Leveraged prompt engineering techniques to refine AI queries, ensuring the generated replies were highly relevant and tailored to the context of the LinkedIn message.

Achievements/Awards

- **Coding:** Solved over 600+ coding questions & awarded 14+ badges on LeetCode, demonstrating expertise in Data structure and algorithmic and coding efficiency.(Leetcode)

Position of Responsibility/Extra-curricular Activities

Volunteer at Kawach Hackathon

- Coordinated event logistics, assisted participants, managed resources, and ensured smooth execution of the hackathon.

Participant in Amazon Sambhav Hackathon:

- Submitted an innovative idea that was shortlisted among 1 lakh+ participants, demonstrating creativity and strategic thinking.