

VANGIMALLA ROOPESWARA SAI REDDY

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[GitHub](#) - [LinkedIn](#)

Career Objective

I am an aspiring and results-driven Computer Science student with a strong foundation in Full Stack Development, AI/ML, and cloud architecture. I am passionate about engineering scalable web solutions and AI-enabled systems. Eager to apply hands-on skills in Java, Python, and AWS to high-impact software engineering roles at innovative companies like Google or Razorpay.

Skills

Languages: Java, JavaScript, Python, C-Language

Web: HTML5, CSS3, React.js, Node.js, API

Cloud & DevOps: AWS (Elastic Beanstalk, EC2, S3), Git, CI/CD

Database: MySQL, MongoDB

AI/ML: Scikit-learn, TensorFlow (beginner)

Tools: VS Code, Postman, GitHub, Figma, Vibe coding.

Projects

AI Agents for Productivity & Tutoring Personal Project (2025)

- Built multi-agent AI assistant 'John' with productivity, tutoring, and portfolio assistance capabilities.
- Integrated voice input, scheduling, and learning tools using Python and AutoGen.

AWS Hosting Architecture Design

- Forage - AWS APAC Solutions Architecture Virtual Experience (July 2025)
- Designed a scalable cloud hosting solution using AWS Elastic Beanstalk for a high-growth client.
- Explained the architecture in client-friendly terms, including monthly AWS cost variations.
- Gained hands-on exposure to AWS best practices in scalability and fault tolerance.

Software Engineering Job Simulation | JPMorgan Chase & Co. (Forage) | August 2025

- Completed practical tasks in a simulated software engineering environment, including project setup and integration with Kafka, H2, and REST APIs.
- Developed and implemented REST API controllers.

GenAI Powered Data Analytics Job Simulation | TATA (Forage) | August 2025

- Completed practical tasks in exploratory data analysis and risk profiling.
- Gained experience in predicting delinquency with AI and implementing an AI-driven collections strategy.
- Developed a business report and used data storytelling to present a collections strategy.

Web Projects (HTML, CSS, JavaScript)

- Collection of responsive websites, interactive UI components, and small front-end experiments showcasing core web skills.

Live/demo repositories and source code:

[roopeswara-web-projects \(demo\)](#)

[roopeswara-web-projects-2](#)

Tata Cybersecurity Security Analyst Job Simulation on Forage - August 2025

- Completed a job simulation involving identity and access management (IAM) for Tata Consultancy Services, collaborating with a Cybersecurity Consulting team.
- Acquired expertise in IAM principles, cybersecurity best practices, and strategic alignment with business objectives.
- Delivered comprehensive documentation and presentations, showcasing the ability to communicate complex technical concepts effectively.

Certifications

- Oracle Certified: MySQL Fundamentals, Oracle - July 2025

- OCI AI Foundations Associate - Oracle, July 2025

- AWS APAC Solutions Architecture Virtual Experience, Forage - July 2025

- Oracle Cloud Infrastructure 2025 Certified Foundations Associate from Oracle, received on August 20, 2025.

Education

B.Tech - Computer Science & Engineering

Amrita Vishwa Vidyapeetham, Chennai - Expected 2027

Relevant Coursework: Data Structures, Web Development, Operating Systems

Sri Chaitanya Junior College, Tirupati - Intermediate (2023) | 80%

Sri Chaitanya School, Rayachoti - SSC (2021) | 86.5%

Career Interests

Full Stack Development - AI Engineering - Cloud Architecture - Scalable Systems