

# VIJAY GOUD KODIPYAKA

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## SUMMARY

Innovative Software Engineering Intern skilled in full-stack development (Java, Python, React, Node.js) and AI/ML technologies (LangChain, OpenAI). Demonstrated expertise in creating scalable applications, tackling complex UI/UX challenges, and winning internal hackathons. Passionate about using technology to create impactful solutions and enhance operational efficiency.

## EDUCATION

Illinois Institute of Technology, Chicago, IL May 2025

**Master of Science, Computer Science.**

Sreenidhi Institute of Science and Technology, Hyderabad, INDIA July 2023

**Bachelor of Technology, Engineering.**

## SKILLS

- **Languages & Frameworks:** JavaScript, Python, Java, SQL | Spring, React.js, Spring Boot, Node.js, Django, REST APIs, Microservices.
- **Web & Database Technologies:** HTML, CSS, JavaScript, jQuery, Ajax, JSON, GraphQL | MySQL, PostgreSQL, MongoDB, NoSQL.
- **Tools & Platforms:** Docker, Kubernetes, Kafka, Spark | Git, GitHub | Jenkins, Postman.

## WORK EXPERIENCE

### Software Engineer Intern

Divami Design Labs Pvt. Ltd, Hyderabad, INDIA December 2022 - August 2023

- Won internal hackathons by crafting innovative solutions, showcasing strong problem-solving and teamwork skills. Designed, built, and launched scalable frontend applications for clients, achieving high performance with minimal production issues. Revamped the company website with a focus on exceptional UI/UX, overcoming complex design challenges to create a visually appealing and user-friendly experience. Additionally, developed internal demo projects to demonstrate technical expertise and problem-solving abilities, fostering team knowledge sharing and skill development.

## PROJECTS

### Autogen AI / An AI Powered Automobile Recommendation System

August 2024 - December 2024

- Conceptualized and engineered a **Generative AI-powered automobile recommendation system**, leveraging LangChain and **OpenAI** to enable advanced search capabilities and fraud detection, cutting manual search efforts by 40% and improving fraud detection accuracy by 25%. Developed a full-stack solution with a React-based frontend, **Python/Node.js** backend, and **PostgreSQL/MongoDB** databases, delivering a seamless e-commerce experience, boosted user engagement by 30%. Implemented **OCR-based fraud detection** and AI-driven image analysis, achieving 95% accuracy in identifying order faults, enhancing system security and minimizing operational risks. Leveraged AI agents to automate and optimize key processes, slashing processing time by 35% and increasing user satisfaction scores by 20

### Smart Store - A Smart Homes Online Retail Platform

January 2024 - April 2024

- Designed and developed **Smart Homes**, an online retail platform, using **Java, Spring Boot, Kafka, and Node.js** for robust backend functionality. Built a **dynamic Angular frontend** to deliver a seamless and intuitive shopping experience. Integrated **PostgreSQL, MongoDB, and Elasticsearch** for efficient data storage, retrieval, and search capabilities. Leveraged **OpenAI agents** and **LangChain** to implement AI-driven features, including customer support, personalized recommendations, and review research. Implemented **Kafka** for real-time order tracking and inventory updates, ensuring accurate and timely data synchronization.

## LEADERSHIP

### Event Head & Active Member

December 2019 - July 2023

THE ROBOTICS CLUB, SNIST, Hyderabad

- Served as an active member and Event Head, organizing flagship events like PUSHPAK and GOALAA during ROBOVEDA. **Mentored** teams in developing IoT-based projects, fostering technical growth and collaboration. Contributed as a **Student Advisory Member** and **Technical Advisory Board Member**, driving the club's growth and innovation through strategic initiatives