

# Jaisimha Kothari

## Computer Science Student

**Phone:** 9618690117 | **Location:** Hyderabad | **Email:** [jaisimhak117@gmail.com](mailto:jaisimhak117@gmail.com)

**LinkedIn:** <https://www.linkedin.com/in/jaisimha-kothari/> | **GitHub:** <https://github.com/jk-117>

Computer Science and Engineering student with proven expertise in software development, full-stack web applications, and cross-functional team collaboration. Proficient in Java, Python, C++, JavaScript with hands-on experience in design, development, testing, and deployment of scalable applications. Seeking to contribute to high-impact e-commerce platform development through clean, efficient, and maintainable code.

## Core Skills

**Programming Languages:** Java, Python, C++, JavaScript

**Web Development & Databases:** HTML, CSS, React, MySQL

**Software Development Tools:** Git, Spring Boot, Docker, JWT, Postman, Apache Tomcat

**Development Methodologies:** Agile, Scrum, Software Development Life Cycle, Code Reviews

**Technical Concepts:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks

**Specialized Technologies:** LangChain, ChromaDB, Streamlit, PySpark, Azure, Hugging Face, NLTK, spaCy, Flask

## Education

**Vasavi College of Engineering** | Aug 2022 - May 2026

**Bachelor of Engineering in Computer Science**

**GPA:** 9.01/10.0

## Work Experience

**Software Development Engineer Intern** | Aug 2025 - Oct 2025

*AI Data Engineer / Remote*

- Designed, developed, tested, and deployed Customer Review Insight AI platform following Agile methodologies and Scrum practices. Collaborated with cross-functional teams of 5+ engineers to implement user authentication, data processing, and visualization modules

- Wrote clean and efficient code for NLP-based sentiment analysis system using Python, Flask, and Hugging Face Transformers. Actively participated in code reviews and team discussions, contributing to 20+ pull requests and maintaining code quality standards
- Debugged and troubleshooted software issues in text preprocessing pipeline, improving system reliability by 25%. Delivered interactive dashboards using Streamlit and Plotly, reducing manual review analysis time by 60%
- **Tech Stack:** Python, Flask, Streamlit, Hugging Face, NLTK, spaCy, Docker, JWT, Git, Plotly

### **Amazon ML School of Summer | Participant | Summer 2025**

*Amazon | Remote*

- Selected for Amazon's competitive ML School of Summer program among thousands of applicants
- Completed intensive training on machine learning fundamentals, deep learning, and real-world AI applications

## **Projects**

### **Secure E-commerce Web Application | Full-Stack Developer | Nov 2024 - Jan 2025**

- Developed a comprehensive e-commerce platform using Spring Boot and React with secure user authentication. Implemented JWT authentication, REST APIs, and SHA-256 hashing for enhanced security. Deployed application on Apache Tomcat with MySQL database integration. Reduced API response time by 25% through efficient code optimization and database query enhancement. Created and maintained technical documentation for seamless team collaboration
- **Tech Stack:** Spring Boot, React, JWT, SHA-256, MySQL, Git

### **Autonomous Research Analyst Agent | AI Engineer | Jun 2025 - Aug 2025**

- Engineered multi-agent AI research system using LangChain and Hugging Face frameworks. Integrated Docker-deployed Retrieval-Augmented Generation (RAG) pipeline for autonomous search and summarization. Reduced manual research time by 70% through intelligent automation and Q&A capabilities
- **Tech Stack:** Python, LangChain, Hugging Face, ChromaDB, Streamlit, Docker, Pytest, Git

### **Azure Data Engineering End-to-End Pipeline | Data Engineer | Feb 2025 - May 2025**

- Designed and implemented medallion-architecture Azure data pipeline with automated ETL processes. Leveraged PySpark and Spark Streaming in Databricks for real-time data processing . Developed Synapse Analytics data warehouse delivering high-availability business insights
- **Tech Stack:** Azure Data Factory, Databricks, ADLS Gen2, Synapse Analytics, Delta Lake, SQL, Python, Spark

## Position of Responsibility

**Head Organizer - Innovasia Hackathon 2024** | Department of Computer Science, VCE

- Led national-level hackathon with 450+ participants, demonstrating excellent communication and time-management skills

## Technical Achievements

- Solved 400+ data structures and algorithms problems across LeetCode and TUF+ platforms
- Top 5% in NPTEL - Joy of Computing in Python, IIT Madras (2024)
- 1st Prize - Men's Singles & Doubles, Table Tennis Championship, VCE (2023)

## Certifications

**Deep Learning for Developers** - Infosys (Springboard)

**CCNA & PCAP Python Essentials** - Cisco

**The Joy of Computing Using Python** - NPTEL (Gold + Elite)

## Additional Information

**Technical Interests:** Exploring emerging technologies, Competitive chess, process automation.