

Jaisimha Kothari

Computer Science Student

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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.