

# Jaisimha Kothari

Computer Science Student

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Computer Science and Engineering student with proven expertise in software development, data engineering, and AI. Skilled in Java, Python, C++, Spring Boot, React, and building AI-driven solutions with LangChain and Hugging Face. Seeking to contribute to high-impact projects by developing scalable, secure, and intelligent systems.

## Core Skills

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

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

**Tools & Technologies:** Git, JWT, Postman, Azure, Spring Boot, Docker, LangChain, ChromaDB, Streamlit, PySpark, Apache Tomcat

**Concepts:** DSA, OOPS, OS, DBMS, CN, RAG

## Work Experience

**AI Data Engineer Intern** Aug 2025 - Oct 2025

*Infosys (Springboard) / Remote*

Engineered industry-relevant software modules following Agile methodologies, improving development efficiency. Delivered collaborative project features in a distributed team environment.

**Amazon ML School of Summer** Aug 2025

*Amazon*

Selected for Amazon's competitive ML School of Summer and completed intensive training on ML fundamentals, deep learning, and real-world AI applications

## Projects

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

Engineered a multi-agent AI research system using LangChain and Hugging Face, integrating a Docker-deployed Retrieval-Augmented Generation (RAG) pipeline to enable autonomous search, summarization, and Q&A, reducing manual research time by 70%.

- Tech: Python, LangChain, Hugging Face, ChromaDB, Streamlit, Docker, Pytest

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

Designed and implemented a medallion-architecture Azure data pipeline with ADF-driven ETL into ADLS Gen2, leveraging PySpark/Spark Streaming in Databricks for real-time processing, and developed a Synapse Analytics warehouse delivering high-availability insights.

- Tech: Azure Data Factory, Databricks, ADLS Gen2, Synapse, Delta Lake, SQL, Python, Scala

## **Secure E-commerce WebApp | Full-Stack Developer**

Nov 2024 - Jan 2025

Developed a full-stack e-commerce platform using Spring Boot and React with JWT authentication, REST APIs, and SHA-256 hashing, deployed on Apache Tomcat with MySQL/PostgreSQL, improving security and reducing API response time.

- Tech: Spring Boot, React, JWT, SHA-256, MySQL, PostgreSQL, Bcrypt

## **Position of Responsibility**

### **Head Organizer – Innovasia Hackathon 2k24 | Dept. of Computer Science, VCE**

Led a national-level hackathon with 450+ participants, managing event planning, sponsorships, technical coordination, and logistic

## **Education**

### **Vasavi College of Engineering**

Aug 2022 - May 2026

#### **Bachelors of Engineering in Computer Science**

GPA: 9.01

## **Achievements**

**Solved 400+ DSA problems across LeetCode, TUF+**

**Top 5% in NPTEL – Joy of Computing in Python, IIT Madras (2024)**

**1st Prize – Men's Singles & Doubles, Table Tennis Championship, VCE (2023)**

## **Certificates**

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

**CCNA & PCAP Python Essentials** – Cisco 

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

## **Interests**

Exploring Emerging Technologies, Competitive Chess, Process Automation