

# KISHAN SEKSARIA

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## Summary

Master's student in Computer Science at USC (May 2025). Experienced in full-stack development with React, Angular, Node.js, Spring Boot, and SwiftUI. Currently working on RAG and LLM projects. Seeking Software Developer role to leverage technical skills in building innovative applications.

## Education

### University of Southern California

Aug, 2023 – May 2025 (expected)

Master of Science in Computer Science

Los Angeles, CA

Coursework: Analysis of Algorithms, Database Systems, Web Technologies, Artificial Intelligence, Machine Learning, Security Systems, Information Retrieval

GPA: 3.78/4.0

### Maulana Abul Kalam Azad University Of Technology

Aug, 2019 – Jul, 2023

Bachelor of Technology in Computer Science and Engineering

Kolkata, India

GPA: 9.31/10.0

## Technical Skills

**Languages:** Java, Javascript, Python, Typescript, Swift, C, C++, HTML, CSS

**Frameworks:** Node.js, Express, Next.js, Angular, React, SwiftUI, Spring Boot

**Databases:** MongoDB (Hands-on), SQL (Theoretical), Vector Databases (Learning)

**Cloud & Deployment:** Google Cloud Platform (GCP), Azure, AWS, Docker

**AI/ML Technologies:** Retrieval-Augmented Generation (RAG), Large Language Models (LLM), LangChain

**Tools:** Git, Github, Github Actions, VS Code, Postman, Maven, Microsoft Office, LaTeX, HighCharts

## Projects

### Custom Shell Implementation

Go, Unix System Programming, Shell Scripting

Dec, 2024

- Developed a Linux shell in Go, implementing built-in commands like echo, cd, pwd, exit, cat, and type.
- Enabled execution of external commands from the system's PATH, integrating a REPL for user interaction.
- Strengthened error handling to manage invalid commands, enhancing shell stability and usability.

### Stock Summary iOS Application

Swift, SwiftUI, Finnhub, HighCharts

Apr, 2024 – May, 2024

- Developed an iOS stock tracking app using Swift and SwiftUI, integrating Finnhub API for real-time stock data.
- Implemented data visualization with Highcharts, creating interactive graphs for easy stock data analysis.
- Enhanced user engagement with favorite stocks tracking and simulated trading, allowing users to track prices and simulate buying/selling with a wallet balance.

### Stock Summary Single Page Web Application

Typescript, Angular, Nodejs, Express, MongoDB, Finnhub, HighCharts

Feb, 2024 – Apr, 2024

- Developed a single-page web application utilizing Angular and Finnhub API for real-time stock data.
- Attempted website optimization using RxJS pipelines and Angular route caching to minimize network requests by 50%.
- Designed a RESTful API with Node.js, Express, and MongoDB for efficient data management, ensuring responsiveness and user-friendly interface with HighCharts for interactive visualization.

## Professional Development & Leadership Experience

### GRIDS USC

Feb, 2025 – Present

E-Board Member - Web Team

Los Angeles, CA

- Leading the development of Trojan Square, a platform aimed at becoming a central hub for USC students.
- Currently spearheading the creation of Ask USC AI, utilizing RAG (Retrieval-Augmented Generation) and LLMs (Large Language Models) to provide instant and accurate answers to student queries.
- Planning future expansions like a student marketplace and other innovative features to make the platform future-proof.

### Cognizant

Apr, 2022 – Jun, 2022

Fullstack Developer Trainee

Kolkata, India

- Completed structured training on React.js and Java Spring Boot, enhancing understanding of full-stack development.
- Gained hands-on experience through coding exercises and practical assignments.
- Explored concepts of cloud computing, testing frameworks (JUnit, Mockito), and DevOps tools.

## Achievements

- Secured 1st position for two consecutive years in a coding competition at the state level, competing against 40+ colleges and 450+ participants.