KISHAN SEKSARIA

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Summary

A masters student at the University of Southern California, pursuing a Masters in Computer Science, graduating in May, 2025. Strong background in full-stack development and extensive experience with React, Angular, Node.js, Java Spring Boot, and SwiftUI. Passionate about software development and thrive on building innovative applications. Currently seeking a co-op or entry-level Software Engineering position to further enhance my skills and contribute to impactful projects.

Education

University of Southern California   **Aug, 2023 – May 2025 (expected)**
Master of Science in Computer Science   *Los Angeles, CA*
GPA: 4.0/4.0

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

Relevant Coursework

- Data Structures
- Analysis of Algorithms
- Database Systems
- Web Technologies
- Artificial Intelligence
- Machine Learning
- Security Systems
- Computer Networks

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.

Technical Skills

Languages: Java, Javascript, Python, Typescript, Swift, C, C++, SQL, HTML, CSS
Frameworks: Node.js, Express, Next.js, Angular, React, SwiftUI, Spring Boot
Databases: MySQL, MongoDB, PostgreSQL, Oracle, SQLite
Tools: Git, Github, VS Code, Postman, Maven, Microsoft Office, LaTeX

Experience

Cognizant 🔗   **Apr, 2022 – Jun, 2022**
Fullstack Developer Intern   *Kolkata, India*
- **Completed intensive training in React and Java Spring Boot:** Participated in structured internship program focused on mastering React.js and Java Spring Boot frameworks, gaining proficiency in frontend and backend development concepts by completing courses on Udemy.
- **Demonstrated proficiency through hands-on exercises and assignments:** Applied theoretical knowledge to practical learning activities like coding exercises and projects, to develop skills in building modern web applications.
- **Intro to other technologies:** Completed courses on Java testing frameworks like JUnit and Mockito, along with intro to cloud technologies like GCP, AWS and Azure. Also got exposed to concept of DevOps.

Achievements

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