KISHAN SEKSARIA

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Summary

I am a first-year graduate student pursuing a Master's degree in Computer Science at University of Southern California. I am passionate about databases, full-stack development, data science, and machine learning. I have proficiency in Java, Python, and JavaScript, with experience in React, Node.js, and Spring Boot. Seeking a summer internship in the field of software development or data science to apply and enhance my technical skills.

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
- Data Mining
- Distributed Systems
- Computer Networks

Experience

Cognizant   **Nov. 2022 – Jan. 2023**
Fullstack Developer Trainee   *Kolkata, India*

- **Completed intensive training in React and Java Spring Boot:** Engaged in structured internship program focused on mastering React.js and Java Spring Boot frameworks, gaining proficiency in frontend and backend development concepts.
- **Demonstrated proficiency through hands-on exercises and assignments:** Applied theoretical knowledge to practical learning activities, including coding exercises and projects, to develop skills in building modern web applications.
- **Received mentorship and guidance from industry professionals:** Benefited from mentorship by experienced software developers, troubleshooting challenges and enhancing technical skills in a supportive learning environment.

Technical Skills

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

Projects

Stock Summary Single Page Web Application 🔗
Typescript, Angular, Nodejs, Express, MongoDB, Finnhub, HighCharts

- 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.

AI Othello/Reversi Gameplay Agent ⌗
Python, Minimax Algorithm

- Implemented a game-playing agent using the Minimax algorithm, winning 100% of games it has been tested on.
- Developed a heuristic evaluation function to assess game states and determine optimal moves.
- Optimised the algorithm using alpha-beta pruning to return the best move within 1s on average.

Social Media REST API ⌗
Javascript, Node.js, Express, MongoDB, Passport.js

- Developed a versatile API for user interactions, leveraging Passport.js for secure authentication and access control.
- Utilized Mongoose for MongoDB connectivity, optimizing schema design for efficient data management.
- Established CRUD endpoints for seamless user interactions with social media content.

Achievements

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