

EDUCATION

University of California, San Diego

Bachelor of Science, Computer Science **GPA: 3.7** (Regents Scholar)

La Jolla, CA

September 2022 – June 2025

PROJECTS

AI Chatbot for Real-Time Stock Market Data | *Next.js, Tailwind CSS, Javascript, Java, SpringBoot* | *Sept 2024-Present*

- Architected a real-time AI chatbot Using **Gemini AI** and **Alpha Vantage API** for stock market, giving users access to the most recent financial insights.
- To manage API requests, set up a **Spring Boot** as the backend.
- Built a **responsive frontend** with **Next.js** and used **Tailwind CSS** for styling, utilized **TS Particles** to enhance user experience.
- Deployed the application for live use, enabling access to stock market data through a polished and interactive interface.

Task Manager | *Next.js, SpringBoot, Mysql, Material-UI, Tailwind CSS, Redux, Junit* | *June 2024-Sept 2024*

- Engineered a full-stack task management web app using **React** for the frontend and **Spring Boot** for the backend, allowing admins to assign tasks to users and users to submit their tasks
- Employed a **microservices architecture** to separate **User**, **Task**, and **Submission** functionalities.
- Applied **Redux Toolkit** for efficient **state management** and integrated **Thunk** as middleware to streamline data handling between components using **Eureka Server**
- Implemented task features, including creation, assignment, updating, deletion, and filtering, to enhance task management capabilities.
- Utilized **MySQL** for data storage and management, ensuring reliable data retrieval and consistency.
- Secured the application with **JWT authentication** and **role-based permissions** to safeguard user data and maintain access control.

Social Media Website | *React.Js, Java, SpringBoot, MySQL, Material-UI, Redux, Tailwind CSS, JUnit* | *June 2024-Sept 2024*

- Built a comprehensive **full-stack web application** using **React** for the frontend and **Spring Boot** for the backend.
- Integrated **Redux** as a **state management system** and **Thunk** as **middleware** to ensure seamless data flow and optimized performance.
- Developed and integrated features such as user account creation, post creation, and designed functionality for commenting and liking posts.
- Devised **real-time chat functionality** using **WebSocket** technology to enhance user experience.
- Designed **JWT-based authentication** in a **stateless application**, securing **API endpoints** with **custom filters** and configuring **CORS** for **frontend integration**.

Journal app for Software Developers | *HTML, CSS, Javascript, Electron.js, Puppeteer* | *March 2024- June 2024*

- Collaborated with a team of 10 fellow students to build a desktop application designed to help developers efficiently track their work and goals.
- Leveraged **Electron.js** to ensure compatibility across Windows, MacOS, and Linux without internet connection.
- Designed features such as a fully navigable **calendar** with major holidays, a **markdown-supported notes page**, a **to-do list** for long-term goal tracking, and a **labeling system** for efficient work organization.
- Wrote test cases using puppeteer to ensure the best user experience

EXPERIENCE

Help Desk Assistant

June 2024-September 2024

Phoenix, AZ

- * Provided technical support for over 70-room motel, managing check-in/out software, troubleshooting hardware/software issues, and ensuring smooth operation of front desk systems.
- * Helped in training staff on computer systems, resolving IT-related queries, and maintaining secure, efficient network connectivity for both staff and guest use.

SKILLS AND TECHNOLOGIES

Languages: C++, Java, JavaScript, Python, HTML
Developer Tools: Git, GitHub,
Libraries: SpringBoot, React.js, Next.js, Tailwind CSS