

# SOHAM KHADE

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## EDUCATION

**University of Southern California**

January 2023 - December 2024

**Master of Science in Computer Science, GPA: 3.81/4**

Coursework: Algorithms and Data Structures, Database Management Systems, Web Technology, Information Retrieval and Web Search Engines, Scientific Computing and Visualization

**Savitribai Phule Pune University**

August 2018 - August 2022

**Bachelor of Engineering, Computer**

Honors in Artificial Intelligence and Machine Learning, GPA: 9.18/10

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## TECHNICAL SKILLS

- Languages: **Javascript**, Java, Python, C/C++, **Typescript**
  - Web Technology: **React.js**, **Node.js**, SpringBoot, Flask, **Next.js**, **Tailwindcss**
  - Databases: **MySQL**, MongoDB, **PostgreSQL**
  - Tools: Git (VCS), Docker, Postman
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## EXPERIENCE

**Software Engineer Intern**

April 2025 - Current

**Relyion Energy Inc (React | Typescript | Javascript)**

- Designing real-time dashboards for a solar power plant to monitor energy generation, system performance, and equipment health
- Built a BESS monitoring module to track charge cycles, state-of-health, and optimize energy storage using real-time data

**Software Engineer Intern, Business Integration Department**

January 2022 - June 2022

**Persistent Systems (Spring | SpringBoot | TIBCO)**

- Designed REST and SOAP-based APIs in TIBCO BusinessWorks for API integration projects, facilitating seamless communication between 3 applications and 10+ data endpoints
- Leveraged BW6's extensive library of connectors and adapters and facilitated seamless data exchange, transforming disparate data formats and ensuring data consistency across the ecosystem

**Software Developer**

January 2021 - October 2021

**Debugged.exe (ReactJs | NodeJs | Postgres)([Link](#))**

- Developed a dashboard to streamline subscription management and user information tracking
  - Decreased loading latency of dashboard by 27.3% and used by 1K+ users on cross-platform devices
  - Used redux to manage three levels of user access to portal
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## ACADEMIC PROJECTS

**Stock Search Web App (React.js | Node.js | MongoDB | GCP | iOS App)**

March 2024 - April 2024

- Developed a web-based application for searching stocks with real-time data using finnhub.io APIs ([click here](#))
- Developed an iOS application counterpart for the web app, enabling seamless stock search, real-time data visualization, and watchlist management, leveraging Swift and UIKit ([click here](#))
- Integrated with graphical data displaying stock prices and other functionality like stock news and insights
- Stored the watchlist and portfolio data in MongoDB Atlas
- Deployed application on Google Cloud platform using app engine service

**Blog Content Management System (CMS) (Node.js | Express.js| React.js)**

December 2023 - January 2024

- Developed a backend CMS for a blog platform, enabling users to create, edit, and delete posts with features for categorization and tagging
  - Implemented role-based access control, allowing different users (Admin, Editor, Viewer) to have different permissions within the system
  - Built REST APIs for post management, comments, and moderation, ensuring a smooth user experience
  - Used an NoSQL database to store posts, user information, and comments, enabling efficient querying and retrieval
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## LEADERSHIP & INVOLVEMENTS

- Awarded top performer in Persistent Systems Intern Program
- Successfully led a team of 6 student developers, ensuring timely completion of all assigned projects
- Actively participated in tree planting initiatives, contributing to the planting of over 100 trees
- Served as Event Head for a custom-designed game at university, leading the team from concept to execution