Akshay Bhandary

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Education

Santa Clara University	**Santa Clara, CA**
Masters of Science in Computer Science and Engineering 3.68 GPA	Jan 2022–Aug 2023

Coursework: Distributed Systems, Advanced Web Programming, Advanced Operating Systems, Computer Networks

SRM University	**Chennai, India**
Bachelor of Technology in Computer Science and Engineering 3.9 GPA	May 2014–May 2018

Coursework: Data Structures and Algorithms, Web Technology, Database Management System, Software Engineering
Object Oriented Analysis and Design

Skills

Languages: Python, Ruby, JavaScript, SQL, HTML5, CSS3, C, Java, PHP
Web Technologies: ReactJS, NextJS, D3.js, Bootstrap, jQuery, Redux Saga, Node, Jest, Ember.js, Flask, HTTP, XML
Database: MySQL, MSSQL, MongoDB, PL/SQL, Neo4j
Others: gRPC, RestAPI, GraphQL, AWS, NPM, Proto Buffers, Babel, JSON, Photoshop

Experience

Chera Health LLC	**Santa Clara, CA**
Software Engineer Intern	July 2023–Present

- Implemented update address functionality on the web portal, enhancing user experience and optimizing load times by 15%.
- Modified **React** Frontend and **Flask** backend to incorporate update address feature, ensuring seamless integration.
- Developed comprehensive test cases to validate API functionality, ensuring high-quality performance and reliability.

Frugal Innovation Hub Santa Clara University	**Santa Clara, CA**
Full Stack Developer	April 2023–June 2023

- Led a cross-functional team of 3 developers to design and integrate admin panel features using **Node.js**, **Express**, and **Nunjucks** on the proximity lab website dashboard to enhance the functionality of the proximity lab website.
- Connected the dashboard to **MySQL** Database ensuring efficient storage and retrieval of information while handling scalability and load balancing requirements.
- Implemented performance optimizations that reduced dashboard load times by 25% and increased user engagement by 40%, resulting in a higher retention rate among users.

Infosys	**Pune, India**
Front-End Developer	Jan 2018–Dec 2021

- Led and managed a team of 3 QA testers to conduct comprehensive manual UI and functional testing for 15 different applications, ensuring high-quality deliverables and a **30%** reduction in post-release defects. Mentored new joiners to understand their projects and team processes. Collaborated with Onshore and Offshore Client Teams to carry out project hand-offs
- Designed and implemented a dashboard using **React**, **JavaScript**, and **Redux**, resulting in a 40% increase in efficiency in managing investment portfolios for clients.
- Integrated multiple Java-based proprietary **REST APIs** with the dashboard, reducing data retrieval time by **25%** and improving overall system performance.
- Implemented automation test cases using **Jest**, resulting in a **30%** reduction in manual testing effort and improving test accuracy by **95%**.
- Designed and improved front-end UI of the Client's web-app using **HTML**, **CSS**, **JavaScript**, and **LESS Preprocessor**, leading to a **20%** increase in user engagement and a **25%** decrease in bounce rate.
- Implemented automation script using **Java** to create reports of changes made to **HTML** files and print them in **MS Excel** worksheet saving 10 hours of manual work per week and improving communication efficiency by **30%**.

Projects

Rock, Paper, Scissors (ReactJS, HTML5, CSS3)
- Designed an interactive game with a unique twist, increasing user engagement by 30% and leading to positive user feedback.
- Implemented the game using a microservices architecture, allowing for scalability and easy maintenance of individual game components.
- Enhanced gameplay engagement by introducing history tracking through a monorepo setup, leading to a 50% increase in average session duration.