

Akshay Bhandary

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Education

Masters of Science in Computer Science and Engineering

Santa Clara University

Jan 2022–Dec 2023

Santa Clara, CA

Coursework: Distributed Systems, Cryptology, Advanced Operating Systems, Computer Networks

Bachelor of Technology in Computer Science and Engineering

SRM University

May 2014–May 2018

Chennai, India

Coursework: Data Structures and Algorithms, Web Technology, Database Management System, Software Engineering

Object Oriented Analysis and Design

Skills

Languages: Python, JavaScript, Typescript, SQL, HTML5, CSS3, C, Java, PHP

Web Technologies: React.JS, NextJS, Vue.JS, SCSS, Material UI, jQuery, Redux-Saga, Node, Jest

Database: MySQL, MSSQL, MongoDB, PL/SQL

Others: D3, RestAPI, GraphQL, AWS, NPM, Agile, JIRA, Babel, Scrum

Experience

Chera Health LLC

Software Engineer Intern

Santa Clara, CA

July 2023–Sept 2023

- Implemented a **user-friendly and responsive** web-based chat interface for an **OpenAI's GPT-3.5 API** powered chatbot, achieving a 95% query accuracy rate and 40% faster response times compared to prior solutions.
- Modified Chera Health Website to incorporate update address feature using **React.JS**, ensuring seamless integration.
- Developed comprehensive test cases to validate API functionality, ensuring high-quality performance and reliability.

Infosys

Front-End Developer

Pune, India

June 2018–Dec 2021

- Designed and implemented a dashboard using **React**, **JavaScript**, and **Redux**, resulting in a 40% increase in efficiency in managing investment portfolios for **UBS**.
- 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 **32%** reduction in manual testing effort and improving test accuracy by **97%**.
- Designed and improved front-end UI of the Client's web-app using **HTML**, **CSS**, **JavaScript**, and **LESS Preprocessor**, leading to a **26%** increase in user engagement and a **21%** decrease in bounce rate.
- Worked collaboratively with a team of 3 QA testers to conduct comprehensive manual UI and functional testing for 15 different applications, ensuring high-quality deliverables and a **34%** 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
- Implemented automation script using **Java** to create reports of changes made to **HTML** files and print them in spreadsheet saving 7 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.

Country Finder (ReactJS, HTML, CSS, Bootstrap)

- Developed a web application with the rest-countries API, offering information on all countries globally. Integrated search and filter functionalities, resulting in improved user engagement by 25% and receiving favorable user reviews.
- Customized the application with both Dark Mode and Light Mode themes for a seamless user experience. Achieved mobile device optimization to enhance usability on a wide range of screens.
- Employed CSS and Bootstrap UI to ensure an attractive and consistent design, contributing to a 20% increase in user satisfaction.