

Akshay Bhandary

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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 35-40 hours of manual work per week and improving communication efficiency by **30%**.

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

Projects

Equation 2 Success Mobile Application (Flutter, Dart, Figma)-Volunteer Mobile Developer

Nov 2023–Present

- Elevated the mobile app's UX by expertly implementing Figma screens with Flutter and Dart, leading to a significant 28% boost in user satisfaction due to the enhanced design and functionality.

Proximity Lab Dashboard (NodeJS, Express, MySQL)-Volunteer FullStack Developer

Jan 2023–May 2023

- Revamped the Proximity Lab website dashboard by spearheading a collaborative effort of 3 developers, innovatively integrating Node.js, Express, and Nunjucks for enhanced features, and connecting to a MySQL database, culminating in a substantial **25% dashboard load time reduction** and a **40% surge in user engagement**.

Rock Paper Scissors (ReactJS, HTML5, CSS3)

- Crafted an innovative, interactive game employing a monorepo architecture, significantly boosting user engagement by 30% and doubling session duration by 50%, showcasing the game's captivating design and efficient, scalable structure.

Education

Masters of Science in Computer Science and Engineering GPA 3.6

Jan 2022–Dec 2023

Santa Clara University

Santa Clara, CA

Learning Modules: **Distributed Systems**, **Machine Learning**, Advanced Operating Systems, Computer Networks

Bachelor of Technology in Computer Science and Engineering GPA: 3.9

May 2014 - May 2018

SRM University

Chennai, India

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