

# Akshay Bhandary

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## Experience

### Chera Health LLC

Santa Clara, CA

Software Engineer Intern

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 **ReactJS**, ensuring seamless integration.
- Developed comprehensive test cases to validate API functionality, ensuring high-quality performance and reliability.

### Infosys

Pune, India

Front-End Developer

June 2018–Dec 2021

- Designed and implemented a dashboard using **ReactJS**, **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:** ReactJS, NextJS, SCSS, Material UI, Tailwind, Redux-Saga, Node, Jest

**Database:** MySQL, MSSQL, PostgreSQL, MongoDB, PL/SQL

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

## Projects

### Equation 2 Success Mobile Application (Flutter, Dart)-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

### LingoPy (Python, OpenAI, tkinter)

Feb 2024–Present

- Developed LingoPy, a desktop application that automates web development localization via OpenAI, enabling efficient, multilingual content creation. The intuitive tkinter-based GUI simplifies user workflow, significantly enhancing localization productivity and effectiveness in web projects.

### 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 NodeJS, 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**

## Education

### Masters of Science in Computer Science and Engineering

Jan 2022–Dec 2023

Santa Clara University 3.6 GPA

Santa Clara, CA

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

### Bachelor of Technology in Computer Science and Engineering

May 2014–May 2018

SRM University 3.9 GPA

Chennai, India

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