

# DEVAM PATEL

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## EDUCATION

### Portland State University

*Master of Science, Computer Science (Software Engineering)*

GPA: 3.90

Portland, OR

*Expected: March 2025*

### University of Portland

*Bachelor of Science, Computer Science*

GPA: 3.75

Portland, OR

*Aug 2019 - May 2023*

## RELEVANT EXPERIENCE

### Software Engineer

Oct 2022 - May 2023

*Coherent Inc.*

*Santa Clara, CA*

- Developed a POST (Power On Self Tests) code framework for automatically running test sequences for laser systems.
- Replaced legacy single-file system with a modular architecture employing the singleton design pattern, efficiently managing all test files for improved system organization and adaptability.
- Implemented additional features which allowed users to add/remove tests and generate documentation.
- Utilized C++, Visual Studio, and Azure DevOps Server for version control.

### Software Engineer Intern

May 2022 - Aug 2022

*Coherent Inc.*

*Santa Clara, CA*

- Collaborated with a small team of software engineers to implement unit tests for Coherent lasers.
- Published ~5500 lines of C++ test code using the Google Test framework.
- Thoroughly tested Coherent lasers and reported/fixed any major bugs that were found.

## PROJECTS

### Chuckler App | *in-progress* | Flutter, Dart, iOS, Android

- Actively collaborating with another developer to develop an interactive social party game app.
- Engaging users through daily prompts, top answer submissions, custom responses, and other social media elements to cultivate a vibrant and humorous community.
- Utilizing the Flutter framework and Firebase to ensure a cross-platform and dynamic user experience on both iOS and Android.
- Project is currently in the implementation phase and is expected to launch by Summer 2024.

### Food IQ | *food-dashboard-pi.vercel.app* | React, Next.js, Tailwind CSS

- Developed an intuitive dashboard application to track and visualize food consumption data, providing insights into dietary habits with interactive charts and a user-friendly interface.
- Implemented meal tracking, food lookup, and access to thousands of unique healthy recipes, enhancing users' nutritional education and decision-making.
- Utilized Next.js for efficient routing, Tailwind CSS for responsive design, and React for building front-end components.

### PDX Diagnosis Medical App | *React Native, JavaScript, PHP*

- Designed and developed a user-friendly medical app for Physical Diagnosis PDX using React Native/Expo frameworks and JavaScript.
- Implemented backend functionality using PHP to retrieve and display data from client's MySQL database.
- Successfully applied Agile software development principles, conducting requirements presentations, collaborating with clients, conducting sprint/team plannings, and ensuring frequent software delivery.

### Personal Website | *devamp.github.io* | HTML, CSS

- Designed and implemented a personal website using vanilla HTML and CSS to gain practical experience in web development.
- Showcased an array of projects, skills, and professional experiences on the website, providing a user-friendly platform for visitors to explore and gain insights into my capabilities.
- Elevated online visibility by hosting the website on GitHub Pages, seamlessly linking it to a personally-owned domain.

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, HTML/CSS, JavaScript, PHP, SQL (MySQL, PostgreSQL, SQLite)

**Frameworks:** React, React Native, Flutter, Tailwind CSS, Next.js, Google Test, Expo

**Developer Tools:** Node.js, Git, AWS (EC2), Azure DevOps, Visual Studio/Code, Android Studio