

Panambur Pawan Bhandarkar

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EDUCATION

Carnegie Mellon University

Master of Science in Software Engineering

Courses: Foundations of Software Engineering, Software Verification & Testing

Mountain View, CA

Aug 2022 - Dec 2023

NMAM Institute of Technology

Bachelor of Computer Science; GPA: 9.8/10

Courses: Data Structures, Design & Analysis of Algorithms

Nitte, India

Jul 2016 - Apr 2020

SKILLS

Languages: JavaScript, TypeScript, Python, React, SQL, HTML5, CSS3, GraphQL, Java

Tools: Git, Figma, Postman, Jest, Docker, EJS, Sass, JUnit, EcmaScript 6

EXPERIENCE

Team AIBOD Inc.

Full Stack Engineer

Fukuoka City, Japan

Feb 2020 - Apr 2022

- **Frontend:** Fast-tracked delivery of 2 major customer projects by developing 50 separate UI components with React, TypeScript and IO-TS, resulting in a 10% increase in annual revenue.
- **Backend:** Optimized the Point of Sale by building a REST API server with Python and Flask to handle payments in isolation from the backend resulting in a 30% performance improvement.
- **Querying:** Initiated the use of GraphQL in the company by engineering a search system with Apollo and Ariadne producing modular, well-documented code, later reused in 3 other projects.
- **Testing:** Enabled the team to deploy with confidence by developing test suites with Jest and unittest with over 80% code coverage and integrating with CI/CD pipeline.

PROJECTS

Emergency Social Network | *TypeScript, Express, MongoDB, Postman*

Aug 2022 - Present

- Leading a team of 5 students to develop the app with a focus on usability, maintainability, and robustness.
- Planning, scoping, and delegating work using over 20 UML diagrams produced through Object Oriented Analysis and Design.
- Mentoring team members in JavaScript, HTML and CSS to generate test-driven code that meets project specifications.
- Spearheading UI development with Figma prototypes, resulting in a clean visual design aesthetic.

Better Donations | *Jama, Miro*

Aug 2022 - Present

- Identified stakeholder needs by analyzing data gathered through interviews with 4 distinct domain experts.
- Generated primary and secondary personas along with affinity diagrams to drive brainstorming of design concepts.
- Created 5 storyboards with unique solutions to problems including volunteer management, scheduling, and estimation.

Refriendo | *React, TypeScript, Styled-Components, Figma, Git*

Oct 2021 - Jul 2022

- Demonstrated a proof-of-concept for the idea through rapid prototyping that exceeded customer expectations and resulted in securing seed funding from 2 major stakeholders.
- Designed and implemented over 100 UI components with a mobile-first approach using React, CSS, and TypeScript.
- Applied modern CSS techniques including grid and flexbox, resulting in a highly responsive and accessible UI.

LEADERSHIP

ECE Graduate Organization Student Leader: Representing 160 ECE students and facilitating inter-departmental collaborations at Carnegie Mellon University

Mentor, Applied CS with Android: Trained 300 students on Java programming by conducting 2 workshops and building 5 Android applications

HONORS

Youth Icon: Won first place in a national public speaking competition among 5000 participants in March 2019.

Sakura Science Fellow: Selected among 264 students as an Exchange Student at Ritsumeikan University, Japan in July 2019.