

Panambur Pawan Bhandarkar

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SUMMARY

Experienced (2 years) in building highly responsive, **accessible** full-stack web applications with a **UI/UX focus**, now pursuing MS in Software Engineering at **Carnegie Mellon University, Silicon Valley**. Seeking **Software Engineer internship** for **Summer'23**

EDUCATION

Carnegie Mellon University

Master of Science in Software Engineering; GPA: 4.0/4.0

Courses : Foundations of Software Engineering, Software Verification & Testing, Software Requirements & Interaction Design

Mountain View, CA

Aug 2022 - Dec 2023

NMAM Institute of Technology

Bachelor of Computer Science; GPA: 9.8/10

Courses : Data Structures and Algorithms , Object Oriented Modelling & Design, Linear Algebra & Probability Theory

Nitte, India

Jul 2016 - Apr 2020

SKILLS

Languages: TypeScript, JavaScript, Python, SQL, HTML, CSS, GraphQL, Java, C++

Tools: NodeJS, NextJS, ReactJS, Redux, Git, Tailwind, Figma, MongoDB, Postman, PostgreSQL, MySQL, Jest, Docker, EJS, Express, Flask, Sass, Bash, Axios, JUnit, EcmaScript 6, JSON, XML, AWS, Selenium, Bootstrap, PassportJS

EXPERIENCE

Team AIBOD Inc.

Software Engineer 2

Fukuoka City, Japan

Nov 2021 - Apr 2022

- Increased the annual revenue by **10%** (~¥1.2M), developing **50+ UI components** for an unmanned store with React and TypeScript. **Improved the prediction latency** to 0.2s, achieving a **5x improvement** in throughput.
- Optimized the POS by engineering a RESTful payment server with a **microservice architecture** using Python, Flask expanding the company's customer base (~¥500K/year) to include BioPay users.
- Accelerated delivery (<1week) of customer projects by facilitating deployment through **Containerization with Docker** and configured **AWS Cloudwatch** for remotely monitoring system performance across **15 different** customer locations
- Generated user stories, roadmaps for stakeholders and **trained** interns, contract engineers in the company's stack.

Team AIBOD Inc.

Software Engineer 1

Fukuoka City, Japan

July 2020 - Oct 2021

- Streamlined the **end-to-end pipeline** for delivering the results of **Human-Object Interactions** and built internal tools for annotating and visualising images that improved the data pre-processing rate by **10x (from 20/h to 200/h)**
- Pioneered use of **GraphQL** by engineering a search system with Apollo and Ariadne, that **expedited 3 other projects**.
- Enabled the team to **deploy with confidence** by developing test suites with over **80% code coverage** using Jest.

Team AIBOD Inc.

AI Engineer Intern

Fukuoka City, Japan

Feb 2020 - Jun 2020

- Contributed to ongoing full-stack applications by **fixing 20+ bugs** in the API server with NodeJS and Typescript.
- Increased the accuracy of a KNN supervised classifier **from 80% to 87%** through feature engineering.
- Trained and evaluated an NLP algorithm using BERT for **Named Entity Recognition** and integrated with the AI Backend and NodeJS API Server to provide **AI as a Service**.

PROJECTS

Emergency Social Network | TypeScript, Express, MongoDB, Postman

Aug 2022 - Present

- Leading a scrum team of 5** students to develop the app with a focus on **usability, maintainability, and robustness**.
- Planning, scoping, and delegating work using 20+ UML diagrams through **Object Oriented Analysis & Design**.
- Mentoring** team members through **code reviews** in JavaScript, HTML and CSS to generate **test-driven code**.
- Designing and integrating a clean, visually aesthetic UI with **JSON-based RESTful APIs**

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

Oct 2021 - Jul 2022

- Demonstrated a proof-of-concept through **rapid prototyping** that was responsible for **80%** of the seed funding.
- Spearheaded the design and implementation of **100+ front-end components** with a mobile-first approach.

HONORS LEADERSHIP

Student Leader: ECE Graduate Organization at Carnegie Mellon University (Among 160 students)

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

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

Mentor, Applied CS with Android: Trained 300 students on Android programming by conducting 2 workshops