PANAMBUR PAWAN BHANDARKAR

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Portfolio | Github | LinkedIn

EDUCATION

- **Carnegie Mellon University** — *Mountain View, CA*
  Master of Science in Software Engineering — *Aug 2022 - Dec 2023*
  - **Courses:** Software Requirements & Interaction Design, Foundations of Software Engineering, Software Verification and Testing

- **NMAM Institute of Technology** — *Nitte, Karnataka*
  B.E in Computer Science & Engineering — *Jul 2016 - Apr 2020*
  - **CGPA:** 9.8 / 10.0 (Top 3% from a batch of 264)
  - **Courses:** Data Structures, Algorithms, Relational Database Management Systems

EXPERIENCE

- **Team AIBOD Inc.** — *Fukuoka City, Fukuoka*
  Full Stack Engineer — *Feb 2020 - Apr 2022*
  - Designed & implemented 50 separate UI components that were later deployed to production
  - Built a REST API server using Abstract Factory Design Pattern, which allowed the project to handle payments independently from the main backend, resulting in a 50% performance improvement.
  - Engineered a search system with GraphQL that enabled employees of Kyushu Electric to efficiently find and update information about buildings that were pending inspections.
  - Deployed test suites with over 80% coverage and integrated with the CI/CD pipelines

PROJECTS

- **The Emergency Social Network** — *Sep 2022 - Dec 2022*
  - Led 5 students, applied SCRUM and Kanban Agile practices in a fast-paced environment
  - Generated a Figma UI/UX prototype with a clean, visual design aesthetic
  - Implemented user interfaces with EJS and CSS/CSS3
  - Developed a backend with an MVC Architecture
  - Applied Object-Oriented Analysis & Design to generate UML diagrams

- **Kanban Task Management** (Side Project) — *Aug 2022 - Oct 2022*
  - Implemented a pixel-perfect design of a Task Manager with a focus on accessibility
  - Used modern CSS techniques like grid and flexbox resulting in a highly responsive UI
  - Integrated JSON-based RESTful APIs with client-server architecture for high scalability

- **Refriendo** (Freelancing Project) — *Oct 2021 - June 2022*
  - Designed & delivered a working Mobile User Interface Figma prototype
  - Implemented mobile-first user interfaces with React TS, Tailwind, IO-TS and CSS Modules
  - Deployed to Android and iOS using Ionic Capacitor and hosted it using Netlify
  - Currently coding the backend using TypeScript, Express.js, MongoDB & JWT

AWARDS & LEADERSHIP

- **ECE Graduate Organisation - Student Leader** — *Aug 2022 - present*
  - *Represented 160 ECE students in planning extracurricular activities at CMU Silicon Valley*
- **Youth Icon, Karnataka** — *Mar 2019*
  - *A national-level award for public speaking and communication - (5000 participants, 1 winner)*
- **Mentor, Google Applied CS with Android** — *Dec 2017*
  - *Mentored 120 students on Android Programming with Java*

SKILLS

React, Styled-Components, CSS3, SASS, HTML5, MySQL, EJS, Postman, Tailwind, TypeScript, Figma, Node JS, JavaScript, GitHub, Versioning ES5/6, Leadership, Mentoring, GraphQL, Flask, Java, Junit, Communication