Manush Prajwal

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Education

B.E. in Computer Science and Engineering, The Oxford College of Engineering — Sept 2021 – Present
CGPA: 8.4

Pre-University Course (PCMC), Alvas PU College, Moodubidre — June 2019 – May 2021
Percentage: 92.6

Projects

- **Student Hub** – College community platform (Next.js, Firebase) — Live
  Problem Solved: Lack of a centralized platform for students to access resources.
  Impact: Connected 1300+ students, improved scholarship awareness by 40%, and issue resolution by 30%.
- **Accessible Travel Destinations** – Platform for disabled travelers (React, Express.js) — Live
  Problem Solved: Difficulty in finding accessible travel destinations for individuals with disabilities.
  Impact: Reached 2,000+ users improved availability of accessibility data by 60%.
- **Portfolio Site** – Personal portfolio (TypeScript, JavaScript) — Live
  Problem Solved: Lack of a centralized and professional platform to present skills, projects
  Impact: 1,200+ visits; 25% increase in recruiter and LinkedIn engagement.
- **Trip Expenses Tracker** – Group expense-sharing tool (React, Node.js) — Live
  Problem Solved: Lack of an efficient and transparent method for managing and splitting shared expenses during group trips.
  Impact: Used by 200+ students; reduced disputes by 70%.
- **Advanced Intrusion Detection System** – Cybersecurity tool (Python, JavaScript) — Live
  Problem Solved: Difficulty in identifying and responding to real-time network intrusions using traditional detection systems.
  Impact: 92% detection accuracy; 35% reduction in false positives.

Freelance

- **The Hawk Fit Hub** – Gym website (CSS, JavaScript) — Live
  Problem Solved: Gyms often lack a compelling digital presence, limiting their ability to attract new members and showcase offerings.
  Impact: Boosted online visibility with a 3× increase in monthly traffic and a 45% rise in class sign-ups within two months. Designed with intuitive navigation, trainer bios, and a responsive layout to improve engagement and conversions.

Publications

- **Diabetes Mellitus Diagnosis using Optical Ring Resonators** — IEEE Xplore
  Conference: IEEE INDIACom 2024, Feb 2024
  Summary: Designed and implemented a non-invasive diagnostic system using optical ring resonators, achieving 98% detection accuracy, reducing diagnosis time by 50%, and enhancing early-stage diabetes identification for over 200 test samples.

Technologies

Languages: C/C++, Python, JavaScript, TypeScript, SQL
Frontend/Backend: React, Next.js, Express.js, Node.js
Version Control/Cloud: Git, Docker,
Databases: PostgreSQL, MongoDB