Manush Prajwal

manushprajwal1@gmail.com | +91 9844775528

GitHub | Portfolio | linkedin | Leetcode

Professional Summary

Computer Science undergraduate with strong fundamentals in software engineering, distributed systems, and machine learning. Proficient in full-stack development, cybersecurity, networking protocols (TCP/IP), and scalable software design. Familiar with Unix/Linux environments and version control systems like Git. Passionate about solving real-world problems and optimizing systems. Strong communicator with experience collaborating in agile, fast-paced environments. Actively contributing to publishing impactful research.

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%

Technical Skills

Languages: C, C++, Python, JavaScript, TypeScript, SQL
Frameworks/Tools: React, Next.js, Express.js, Node.js, Docker (containerization), Git (version control), Firebase (BaaS)
Databases: PostgreSQL, MongoDB
Concepts: Distributed Systems, Data Structures, Algorithms, REST APIs, TCP/IP Networking, Information Retrieval, Cybersecurity, Cloud Integration, CI/CD

Projects

- **Advanced Intrusion Detection System** (Python, JavaScript)   [GitHub]
  Built a machine learning-based system for detecting network intrusions with 92% accuracy. Applied TCP/IP analysis, real-time detection, and Linux packet filtering.

- **Student Hub** – College Community Platform (Next.js, Firebase)   [Live]
  Centralized portal to access academic and campus resources. Served 1300+ students; enhanced communication and scholarship visibility.

- **Accessible Travel Destinations** (React, Express.js)   [Live]
  Mapped travel locations for disabled users with accessible filters and scalable design. Served 2000+ users; improved accessibility coverage by 60%.

- **Trip Expense Tracker** (React, Node.js)   [Live]
  Collaborative budget manager for group travel. Used by 200+ users to reduce financial disputes by 70%. Includes UI for group management.

- **Portfolio Website** (TypeScript, JavaScript)   [Live]
  Interactive personal portfolio deployed on Vercel. 1200+ visits; boosted outreach and recruiter engagement by 25%.

Experience

Freelance Web Developer   Jan 2023 – Present
The Hawk Fit Hub (JavaScript, CSS)   [Live]
Developed a visually engaging and mobile-friendly gym website with real-time class booking. Increased traffic 3x and membership signups by 45%.

Publications

- **Diabetes Mellitus Diagnosis using Optical Ring Resonators**   [IEEE Xplore]
  IEEE INDIACom 2024 – Developed a 98%-accurate, non-invasive detection model reducing diagnosis time by 50%.