

Manush Prajwal

📍 Bangalore ✉ manushprajwal1@gmail.com ☎ 9844775528 📁 Portfolio in LinkedIn 🐙 GitHub

Professional Summary

Computer Science undergraduate with over 2 years of experience in full-stack web and mobile application development and applied research. Successfully delivered 10+ real-world projects and authored 6+ research papers. Founder of Bike Brain, a social media platform for automotive enthusiasts. Skilled in React, Next.js, Firebase, and Python, with a strong focus on rapid prototyping, technical innovation, and cross-functional collaboration in dynamic, fast-paced environments.

Education

BE	Computer Science and Engineering, The Oxford College of Engineering	Sept 2023 – Present
PUC	Alvas PU College, Moodubidri	2020 – 2022

Experience

Freelance , Professional Gym Website	May 2023 – Present
<ul style="list-style-type: none">• The Hawk Fit Hub (Next.js) 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	Jan 2024
<ul style="list-style-type: none">• IEEE INDIACom 2024 – Developed a 90%-accurate, non-invasive detection model reducing diagnosis time by 50%.	IEEE Xplore

Projects

A Neural Network-Based Framework for Diabetes Prediction from Foot Pressure	Safestep.com
<ul style="list-style-type: none">• Developed a web-based platform integrated with a CNN-MLP model to predict diabetes using foot pressure data from sensor-embedded shoe insoles.• Problem Solved: Enabled non-invasive screening by achieving 89% prediction accuracy in identifying abnormal foot pressure distributions linked to diabetic risk.	
Student Hub – Unified Platform for Academic Engagement	StudentHub.com
<ul style="list-style-type: none">• Developed a centralized web platform for Students for Jobs, Issue reporting, announcements, and resource access.• Problem Solved: Streamlined communication across departments, serving 1300+ students Daily and reducing resource discovery time by over 85%.	
Network Security Monitor with Advanced Intrusion Detection System	github.com/repo
<ul style="list-style-type: none">• Developed a Network Security Monitoring Tool using Wireshark to monitor and safeguard networks in real time.• Problem Solved: Predicted 89% of Man in the Middle Attacks with <0.5% false positives in network simulations..	

Skills

Languages: Python, C, C++, JavaScript, SQL, TypeScript.

Frameworks: React.Js, Next.Js, Node.Js, Express.Js, Nest.Js, Docker, Git