Avis Lowha

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</> leetcode.com/u/awhvish

EDUCATION

Manipal Institute of Technology   **Bangalore, India**
Bachelor of Technology in Computer Science & Engineering (AI)   *Aug 2023 – May 2027*
- CGPA: 7.79/10.0
- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems, Machine Learning, Computer Networks, Software Engineering

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Python, C/C++, Java
Frontend Technologies: React.js, Next.js, HTML5, CSS3, TailwindCSS, ShadCN-UI, Responsive Design
Backend & APIs: Node.js, Express.js, Flask, Nest.js, RESTful APIs, Socket.io, OpenAI API
Databases & Cloud: MongoDB, PostgreSQL, MySQL, Prisma ORM, AWS EC2
Developer Tools: Git/GitHub, Visual Studio Code, Postman, Jest, npm/pnpm, Docker

EXPERIENCE

Full-Stack Developer   **Jan 2024 – Present**
Freelance   *Remote*
- Architected and delivered full-stack web solutions for clients across e-commerce and product-based sectors, achieving 100% project completion rate within agreed timelines and budget constraints
- Migrated legacy WordPress websites to modern Next.js applications, resulting in 40% faster load times, enhanced SEO performance, and improved user engagement metrics
- Collaborated directly with stakeholders to gather requirements, define project scope, and deliver scalable solutions that met business objectives

PROJECTS

E-Commerce Platform & Personalized CMS | *Next.js, Express.js, Razorpay API* | Live Demo **Mar 2024 – Nov 2024**
- Developed full-stack e-commerce platform serving 50+ active users with secure payment processing using Razorpay API, maintaining 99.9% uptime and zero security incidents
- Built comprehensive CMS portal with real-time content management and inventory tracking, reducing content deployment time by 65% and streamlining operational workflows
- Deployed scalable infrastructure on Vercel with auto-scaling capabilities, reducing hosting costs by 40% while ensuring optimal performance during peak traffic

NeuroAdaptAI - AI-Powered Learning Assistant | *Next.js, Flask, OpenCV* | GitHub   **Oct 2024 – Dec 2024**
- Developed AI-powered accessibility platform for dyslexic students using computer vision and machine learning to track eye movements and attention patterns during educational content consumption
- Implemented real-time attention monitoring system with OpenCV and PyTorch, achieving 87% accuracy in detecting focus drops and generating timestamped learning insights
- Created weighted graph analysis algorithm to identify challenging lecture segments and designed dyslexia-friendly UI with auto-generated notes feature

Real-Time Chat Application | *React, Socket.io, MongoDB, Express.js* | Live Demo | GitHub   **Aug 2024 – Sep 2024**
- Built end-to-end encrypted real-time messaging application using WebSocket technology, supporting 10+ concurrent connections with sub-100ms message delivery
- Integrated MongoDB for optimized message persistence and implemented indexing strategies that improved query performance by 45% for message retrieval

ACHIEVEMENTS

LeetCode: Top 8% ranking globally among competitive programmers (2025)
AlgoUniversity Selection: Selected in top 5% among 20,000 applicants, cleared Stage I & II (2024)
Competitive Programming: Solved 500+ problems across LeetCode, GeeksForGeeks, and HackerRank platforms (2024)
IEEE Codesprint 2023: Secured 2nd position in college-level competitive coding contest (2023)
HackerRank Certifications: Achieved 5-star rating in C++, Python, and Problem Solving domains (2023)
Open Source Contributions: Active contributor to GitHub projects with 20+ repositories and community engagement (2024)