Harsh Vardhan

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Skills

Programming	C/C++, DSA, Competitive Programming
Development	Git, React, Tailwind, NodeJS, MongoDB, Express
Soft Skills	Time Management, Teamwork, Problem Solving

Education

Birla Institute of Technology, Mesra *Nov 2020 – Mar 2024*
B.Tech in Information Technology

- **CGPA:** 8.73
- **Coursework:** Operating System, Object Oriented Programming, DBMS, Computer Networks

Experience

Problem Setter, Freelance *Remote*
Imocha *Aug 2022 – Nov 2022*

- Designed over **50+** data-structure-based problem sets with clear solutions and in-depth explanations.
- Developed **100+** example and corner test cases to validate the robustness of solutions.
- Ensured problem difficulty aligned with competitive programming standards, enhancing the company's question library.

Software Engineer Intern *Remote*
ProGalaxy eLabs *Feb 2024 – Jun 2024*

- Developed a robust database schema using Prisma, including migrations for project management, ensuring seamless updates and data consistency.
- Implemented client-side routing with React Router, enhancing the user experience with smooth navigation and improved performance.
- Built and integrated features like project input forms and cloud-based photo uploads, streamlining user workflows and boosting platform functionality.

Projects

TraceTrack *Github* ↗

- Built a web-based app using ML/DL-driven facial recognition technology to help security personnel identify and track wanted/missing persons in near real-time.
- **Tools Used:** NodeJs, MongoDB, Python, Tensorflow, OpenCV

Hotels.com *2022*

- Developed a user-friendly hotel rating and review platform with authentication, enabling users to add hotels, rate, and provide detailed reviews securely.
- **Tools Used:** NodeJs, MongoDB, PassportJs, JWT

Achievements

3rd at College Level, 405th AIR, ICPC preliminary round kanpur   India, 2021

3rd, Web-a-Thon, Kshitij (Tech fest)   IIT Kharagpur, 2022