

Harsh Vardhan Prasad

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SKILLS

- **Languages:** Java, JavaScript, Python, PHP
- **Frameworks:** HTML and Tailwind CSS, NodeJs, ReactJs, Laravel, Springboot
- **Tools/Platforms:** MySQL, MongoDB, Git, Github, Azure, Docker
- **Soft Skills:** Willingness to learn, Positive attitude, Project Management, Adaptability, Communication

PROJECTS

- **Hardwarez- Hardware E-commerce Shop :** Aug 2024 – Dec 2024

Developed a full-stack e-commerce platform for a hardware store using **React.js** for the frontend and **Spring Boot** for the backend.
Engineered a **scalable and secure** backend with Spring Boot, enabling **real-time inventory tracking**, **user authentication**, and **dynamic product catalog management** via RESTful APIs.
Leveraged **Docker** for containerized deployment, streamlining development, deployment, and scalability across different environments.
Optimized **data fetching strategies** to minimize load times and enhance user experience, ensuring smooth navigation and efficient order processing.
Designed a **modular and maintainable** architecture to support future enhancements, including payment gateway integration and analytics.
Tech: React.js, Spring Boot, RESTful APIs, Docker, HTML, CSS
- **Binary Tree Visualizer:** July 2024 - July 2024

Developed an interactive binary tree visualizer to dynamically demonstrate **tree structures and traversal algorithms**. Implemented efficient data structure and algorithm techniques to provide users with real-time visual representation of binary tree operations (**insertion, deletion, traversal**).
This project enhances understanding of data structure concepts by allowing users to visualize the steps involved in each operation, contributing to a more intuitive learning experience.
Tech: HTML, CSS, JavaScript, D3, DSA Algo
- **EdVenture – E-Learning Platform :** May 2024 - June 2024

EdVenture leverages state-of-the-art technologies, including the **MEAN Stack** and **TypeScript**. Crafts a dynamic web platform that redefines the learning journey for college students.
Features seamless integration of peer tutoring, interactive lecture annotations, and personalized learning paths. Implements long polling to ensure **real-time interactions**, enhancing **user engagement** and **interactivity**.
Tech: MongoDB, Express.js, Angular, Node.js, TypeScript, long polling, Bcrypt, Nodemailer

CERTIFICATES

- Cloud Computing Concepts by NPTEL Oct 2024 - Dec 2024
- Data Structures and Algorithms – Self Placed by GeeksforGeeks. May 2024 - Nov 2024
- Server Side JavaScript with Node.js by Coursera Jan 2024 - May 2024

ACHIEVEMENTS

- **GirlScript Summer of Code Open Source Contributor:**
Ranked in top 1% among 28000+ participants globally in GSSoC 2024
- **Programming:**
Solved 300+ coding problems across different platforms.
- **Certified Cadet & Lance Corporal, National Cadet Corps (NCC):**
Successfully completed a **10-day NCC camp** and qualified for the **Certificate A** exam, demonstrating leadership, discipline, and resilience.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.2 Since August 2022
- **D.A.V Public School NIT Campus** Jamshedpur, Jharkhand
Intermediate; Percentage: 84% April 2018 - March 2020
- **D.A.V Public School NIT Campus** Jamshedpur, Jharkhand
Matriculation; Percentage: 79% April 2016 - March 2018