Dinesh Yadav

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PROFESSIONAL SUMMARY

Full-Stack Developer with expertise in the **MERN stack (MongoDB, Express.js, React.js, Node.js)**, **Next.js**, and **Tailwind CSS**, specializing in building **scalable** and **high-performance** web applications. Strong foundation in **data structures** and **algorithms**, with **450+ problems solved** on **LeetCode** and a **1645 rating**. Proficient in **Git** and **GitHub** for **version control** and collaborative development.

TECHNICAL SKILLS AND RELEVANT COURSEWORK

- **Programming Languages**: C, C++, Java, Python, **JavaScript (ES6+)**, TypeScript, SQL
- **Frontend Development**: HTML5, CSS3, **Tailwind CSS**, Bootstrap, Material UI, Git, GitHub
- **Frameworks and Libraries**: **React.js**, **Redux**, **Next.js**, **Express.js**, RESTful APIs, GraphQL
- **Backend and Databases**: **Node.js**, **MongoDB**, PostgreSQL, Docker, JSON Web Token (JWT)
- **Coursework**: Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming, Computer Networks, Software Engineering

PROJECTS

CloudZee: Cloud File Storage System
GitHub
Next.js, PostgreSQL, Tailwind CSS, Docker, Auth0, Microservices — December 2024 – Present

- Architected a robust cloud-based storage system, managing **10,000+ files** with secure file handling and achieving **99.9% uptime**.
- Optimized server-side rendering using **Next.js**, improving page load speeds by **30%** and boosting **Search Engine Optimization (SEO)** performance.
- Deployed microservices architecture with **Docker**, reducing deployment time by **50%** and ensuring a scalable, isolated infrastructure.

InstantSS: Browser Extension
GitHub | *Live* | *Demo*
HTML5, CSS3, JavaScript (ES6+), IndexedDB — October 2024 – November 2024

- Designed a high-performance browser extension, enabling seamless capture of **5,000 screenshots per session** and enhancing documentation efficiency by **60%**.
- Integrated **IndexedDB** for **persistent** storage, optimizing data retrieval by **25%** and reducing load times by **30%**.

HODO: Social Media Application
GitHub | *Live* | *Demo*
React.js, Node.js, Express.js, MongoDB — February 2024 – April 2024

- Built a dynamic social media platform, supporting **300+ daily active users** and handling peak concurrency of **1,200+ users**.
- Integrated a **geographical API** for location-based user discovery, increasing user engagement by **20%**.
- Enhanced real-time messaging using **WebSockets**, processing **10,000+ messages daily** with an average response time of **200ms**.

Stavya: Cultural Fest Website
GitHub | *Live* | *Demo*
React.js, Node.js, Express.js, MongoDB — January 2024 – February 2024

- Built a scalable event management platform, processing **1,000+ registrations** and handling **5,000+ page views** efficiently.
- Automated the ticketing system, streamlining event access by **40%** and reducing manual intervention.
- Improved API performance, reducing response times from **800ms to 250ms**, significantly enhancing user experience and system reliability.

EDUCATION

Indian Institute of Information Technology Vadodara ICD — November 2022 – Present
Bachelor of Technology in Computer Science and Engineering — *CGPA: 7.5/10*

AWARDS & ACHIEVEMENTS

- **Solved 450+ LeetCode problems** with a **1645 max rating**, showcasing expertise in data structures and algorithms.
- **Secured 2nd place in ROBO Arena** among 12+ teams, excelling in automation and robotics challenges.
- **Participated in HACK-IIITV hackathon** with 100+ participants, delivering a functional prototype within 24 hours.