Yogesh Saini

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EDUCATION

Indian Institute Of Information Technology   April 2022 - April 2026
B.Tech - Computer Science and Engineering   *Current CGPA: 7.2/10*

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, TypeScript, SQL, Java, HTML, CSS, LaTeX
Web & Mobile Development: React, Next.js, Tailwind CSS, Express.js, MongoDB, Firebase, React Native, Kotlin
Data Science & ML: Pandas, NumPy, SciPy, TensorFlow, PyTorch, Power BI, Tableau
Tools & Frameworks: Git, Docker, REST APIs, Postman, Jupyter Notebook, Linux, Windows, Webpack, IntelliJ in project format style **Relevant Coursework**: OOP, Data Structures & Algorithms, Embedded Systems, Discrete Math, Linear Algebra, Calculus, Physics, Probability & Statistics

PROJECTS

FriendConnect | *React, Node.js, WebRTC, MongoDB, Express.js*   Oct 2024 - Nov 2024
- A **real-time video conferencing platform**, supporting **100+ concurrent users** with seamless video and audio quality.
- Developed a **scalable backend** using Node.js and WebRTC, ensuring low-latency communication and **99.99% uptime**.
- Optimized **call stability and performance**, reducing drop rates by **40%** and improving connection quality.
- Integrated **secure authentication** using JWT and OAuth2, safeguarding user data with **end-to-end encryption**.
- Enhanced **user experience** with a sleek UI, resulting in a **50% improvement in usability metrics** and a **15% increase in user retention**.

School Management System | *HTML, CSS, JavaScript, React, TailwindCSS*   Jan 2024 - Mar 2024
- Engineered a **robust, end-to-end school management system**, automating **100% of administrative workflows**, reducing manual effort by **60%**, and enhancing operational efficiency.
- Enhanced user experience by **optimizing front-end load times by 40%**, ensuring smooth, real-time interactions for both teachers and students.
- Ensured **seamless accessibility** with **fully responsive design** and **99.9% cross-browser compatibility**, enhancing engagement across all devices.

Multivendor E-Commerce Platform | *Next.js, TypeScript, TailwindCSS, MongoDB, Express.js*   Oct 2024 - Oct 2024
- Architected a **highly scalable, full-stack** multivendor e-commerce platform, handling **500K+ product listings** and **100K+ daily transactions**.
- Engineered a **cross-platform mobile app** with React Native and Expo, achieving a **98% Lighthouse performance score** and **50% faster load times**.
- Implemented **bank-grade security** with JWT and OAuth2.0, ensuring **99.99% secure transactions** and **zero data breaches**.
- Developed an **AI-powered recommendation engine**, boosting conversion rates by **35%** and increasing **repeat customer purchases by 40%**.

ACHIEVEMENTS

LeetCode | *Global Top 60% Ranking*   2024 - Present
- Streamlined the development process for **200+ solutions**, cutting execution time by up to 50% earned recognition for placing in the top 5% for speed, showcasing a strong ability to enhance operational effectiveness.

Full Stack Web Development Certification | *PW Skills*   Feb. 2024
- Completed certification in **MERN stack development**, building and launching **5+ robust full-stack applications** using React, Node.js, MongoDB, and Express.js.