

Devendra Pratap Singh

Full Stack MERN Developer — Backend Developer — DSA Learner

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Professional Summary

B.Tech Computer Science (Data Science) student with hands-on experience in Full Stack MERN Development, REST API design, JWT authentication, and scalable backend systems. Strong knowledge of Java and JavaScript with practical development experience using React.js, Next.js, Node.js, and Express.js. Familiar with CI/CD workflows, deployment platforms, and collaborative development practices. Passionate about backend engineering, problem-solving, scalable architectures, and learning modern technologies including Docker and cloud platforms.

Education

ABES Engineering College, Ghaziabad B.Tech in Computer Science and Engineering (Data Science)	Aug 2023 – Aug 2027
Saraswati Shishu Mandir Sr. Sec. School, Gorakhpur Senior Secondary Education (Class 10 & 12)	2019 – 2022

Projects

Scanly – Portable Digital Health Records System 2026
Next.js, Tailwind CSS, Node.js, Express.js, JWT, QR Code [GitHub](#)

- Built a secure full-stack health records platform with QR-powered medical record sharing and role-based access.
- Developed REST APIs for authentication, health records, and file upload management using Express.js.
- Implemented JWT authentication, responsive UI, dark/light mode, and PWA support for mobile accessibility.
- Improved record accessibility and streamlined medical data sharing through QR-based workflows.

Diet Prediction App 2025 – 2026
Next.js, Tailwind CSS, Node.js API Routes, Vercel [GitHub](#)

- Developed an AI-based diet recommendation web application using personalized health inputs.
- Built secure login/signup functionality using lightweight file-based authentication.
- Implemented backend API routes for efficient diet prediction and recommendation processing.
- Deployed the application on Vercel with CI/CD integration for faster deployment workflows.

School Management & Portfolio Website 2026
Next.js, Tailwind CSS, API Routes, TXT File Storage [GitHub](#)

- Developed a full-stack School ERP platform with Admin, Teacher, and Student dashboards.
- Implemented attendance tracking, notices, homework uploads, and results management modules.
- Used lightweight TXT-based storage architecture for simplified deployment and portability.
- Deployed using serverless architecture, improving scalability and hosting efficiency.

Technical Skills

Languages	Java, JavaScript, Python
Frontend	HTML5, CSS3, React.js, Next.js, Tailwind CSS
Backend	Node.js, Express.js, REST APIs, JWT Authentication
Databases	MongoDB, SQL(Basic)
Testing	Postman
Cloud & DevOps	Vercel, Render, Netlify, CI/CD, Docker (Learning), AWS Basics
Core CS	OOP, DBMS, Operating Systems, System Design Fundamentals, Agile Methodology
Tools	Git, GitHub, VS Code, Postman

Achievements & Activities

- Solved 200+ coding problems on CodeChef and LeetCode using Java.
- Participated in Flipkart Grid 2025 Engineering Challenge.
- Participated in Matrix 3.0 and Hack-O-Verse Hackathons.
- Former Member of Entrepreneurship Cell (E-Cell), ABES Engineering College.
- Actively exploring Open Source projects and collaborative development practices.

Additional Information

Languages: English (Professional), Hindi (Native)

Interests: Backend Development, Full Stack Development, DSA, System Design, AI-integrated Applications