

# Yashwant Kumar Singh

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GitHub: github.com/Yashwant439 | Portfolio: <https://yashwant439-portfolio.vercel.app/>

## PROFESSIONAL SUMMARY

Passionate about building scalable, real-time applications and secure backend systems using modern technologies. Experienced in Full-Stack Development and AI/ML, with projects focused on machine learning models, predictive analytics, and AI integration. Strong in problem-solving, adaptability, and continuous learning. Actively involved in tech communities, seeking internship opportunities in **AI/ML** or **Full-Stack Development** to apply skills, gain experience, and contribute to impactful solutions.

## EDUCATION

**Bachelor of Technology in Computer Science Engineering** (2024-2028)  
Delhi Skill and Entrepreneurship University

**Senior Secondary Education (CBSE)** (2022-2023)  
Saltlake Shiksha Niketan

## SKILL SUMMARY

- Languages:** HTML, CSS, JavaScript, Java, C, C++, Python
- Frameworks & Libraries:** React.js, Node.js, Express.js, Bootstrap, Tailwind CSS, EJS
- Databases & APIs:** MongoDB, Mongoose, SQL, RESTful APIs
- Tools & Build Tools:** Git, Unix Command Line, Hoppscotch, Nodemon, Vite.js, Visual Studio Code, Antigravity
- Platforms & Deployment:** Render, Netlify, Vercel, GitHub
- Soft Skills:** Problem-solving, Critical Thinking, Time Management, Teamwork, Analytical Thinking

## PROJECTS

### Advanced Diabetes Patient Management System

- Full-stack web app + AI-powered risk prediction + doctor/patient dashboards
- Implemented AI-driven risk prediction using Python ML models to provide real-time diabetes complication risk assessments and actionable insights.
- Designed interactive dashboards & charts (HbA1c trends, risk gauges, visit history) for clinicians + patients, improving decision-making and patient engagement.
- Added a real-time chat assistant and automated recommendations to streamline patient follow-up and support proactive care.
- Link: <https://diabetespredictions-vert.vercel.app/>

### Wanderlust – Full-Stack Travel Experience Platform

- Developed a dynamic and responsive travel booking application based on the MVC architecture, enabling destination exploration, user-generated listings.
- Implemented using Node.js, Express.js, MongoDB, EJS, and Bootstrap, with modular routes, authentication middleware, and RESTful design principles.
- Integrated Leaflet.js for interactive map rendering and geolocation, Cloudinary for image uploads and optimization, and Axios for efficient client-side API communication.
- Focused on performance, scalability, and user experience through clean UI design and robust backend architecture.
- Link: <https://wanderlust-we5p.onrender.com/listings>