

SHIVAM SINGH

FULL-STACK WEB DEVELOPER

Rewari, India

| solankishivam116@gmail.com

| +91-9996761239

Aspiring **Full-Stack Developer** specializing in **MERN stack, backend development, and AI/ML integration**. Skilled in designing scalable, high-performance applications, optimizing APIs, and implementing secure authentication using **JWT & Bcrypt**. Enhanced API efficiency by **40%** and optimized system performance by **30%** using Flask for data processing and ranking. Passionate about building innovative tech solutions with strong expertise in **databases, automation, and security**.

Education

- Bachelor of Technology (**B.Tech**) in Computer Science & Engineering – AI & ML
 - World College of Technology & Management (WCTM), Gurgaon | 2022 – 2026
 - **CGPA: 7.0+**
 - Higher Secondary (**Class 12th**) – CBSE Board | 2022
 - Secondary (**Class 10th**) – CBSE Board | 2020
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Technical Skills

- **Programming Languages:** Python, JavaScript, TypeScript, C++(basics)
 - **Frontend:** React.js, HTML5, CSS3, Tailwind CSS, Material-UI,
 - **Backend:** Node.js, Express.js, Flask
 - **Database:** MongoDB, MySQL(basic)
 - **Authentication & Security:** JWT, Bcrypt
 - **Other Skills:** Data Structures & Algorithms (DSA), OpenCV
 - **Tools & Platforms:** Git, GitHub, Docker, Postman, VS Code
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Training & Certifications

MERN Stack Application Development Certification

World College of Technology & Management (WCTM), Gurgaon | 2024-25

- Completed under **TechSaksham**, a joint CSR initiative between **Microsoft** and SAP, implemented by **Edunet Foundation**.
- Gained hands-on experience in MongoDB, Express.js, React.js, and Node.js.
- Built projects implementing JWT authentication, secure APIs, and state management using Context API.

Projects

- ✓ **Hospital Management System** (*MERN Stack, Flask, MongoDB*)
 - Objective: Automates hospital operations, including patient registration, appointment scheduling, medical records management, billing, and staff management, doctor records.
 - Tech Stack:
 - Frontend: ReactJS for a dynamic & responsive UI.
 - Backend: Node.js & Express.js for efficient API management & routing.
 - Security: JWT for authentication & Bcrypt for password hashing.
 - Data Processing: Flask for handling & processing datasets.
 - Database: MongoDB for secure storage of patient & hospital data.
 - Key Learning: Hands-on experience in full-stack development, security, database management, and scalable healthcare solutions

- ✓ **AI Resume Screener** (*Python, NLP, Machine Learning*)
 - Objective: AI-powered tool to analyze and score resumes against job descriptions.
 - Tech Stack:
 - NLP & ML: spaCy, NLTK, TF-IDF, BERT for text extraction & semantic analysis.
 - Backend: Flask for resume parsing & scoring, Node.js (Express) for authentication & API handling.
 - Auth & User Profiles: Secure login with JWT & Bcrypt; users can store resumes & test against multiple job descriptions.
 - Admin Panel: Allows adding & updating job descriptions for accurate scoring.
 - Database: MongoDB for storing profiles, resumes & job descriptions.
 - Automation: Custom ranking algorithms for efficient resume evaluation.
 - Key Learning: Applied NLP, ML, authentication & automation to enhance hiring assessment.

- ✓ **SOT Portfolio** (*React.js, Tailwind CSS, Framer Motion*)
 - Objective: A personal portfolio website to showcase projects, skills, and experience interactively.
 - Tech Stack:
 - Frontend: Built with React.js & Tailwind CSS for a clean UI.
 - Animations: Used Framer Motion for smooth UI transitions.
 - Contact Form: Integrated Nodemailer for seamless email communication.
 - Key Learning: Applied modern UI/UX principles, animation techniques, and responsive web design.

Leadership & Contributions:

- ✓ Led the Hospital Management System (HMS) project during MERN training.