Hemant Singh

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Professional Summary

- B.Tech Computer Science student skilled in full-stack development (Django, Node.js, React, SQL, MongoDB), REST APIs, authentication, payment integration, and cloud deployment.
- Demonstrated analytical abilities through 3+ internships; successfully led a team to a major hackathon win (vs. 20+ teams) and consistently participates in competitive coding. Focused on AI integration, DevOps, and engineering scalable software.

Skills

- **Programming Languages:** C, C++, Java, Python, JavaScript
- **Web Development:** Frontend (HTML, CSS, JavaScript, Bootstrap, React), Backend (Django, Node.js, Express.js, SQL, MongoDB)
- **Database Management:** SQL (MySQL, SQLite), MongoDB
- **Tools & Frameworks:** Git, GitHub, Postman, VS Code, REST API Dev, Deployment (Render, Vercel), Razorpay, Cloudinary
- **Other Skills:** Data Analytics, AI/ML (NLP), Competitive Coding, Leadership, Public Speaking, Teamwork

Technical Projects

AI Resume Ranker and Job Recommender
Tech Stack: Django, MongoDB, Cloudinary, AI (NLP)
Impact: Engineered an AI platform for resume parsing (90%+ text extraction accuracy) and candidate ranking across 10+ job categories. Architected dual resume-to-job/job-to-resume matching. Managed 1000+ document uploads (Cloudinary) and user/job data (MongoDB).

E-Commerce Backend with Python
Tech Stack: Django, SQLite, Razorpay, REST API, Render
Impact: Built a secure e-commerce backend with Razorpay payment integration (100+ concurrent test transactions). Deployed on Render, achieving 99% uptime during a 2-week test.

Real-Time Analytics Dashboard
Tech Stack: Node.js, Express, MongoDB, Socket.IO, Chart.js
Impact: Developed a real-time analytics engine using a RESTful ingestion pipeline and MongoDB Aggregations for backend processing. Integrated WebSockets (Socket.IO) to deliver live updates to a dynamic Chart.js frontend, enabling instant data visualization. Handled 1000+ events per minute in testing with zero data lag.

Weather Detail Web App
Tech Stack: Django, OpenWeatherMap API, Bootstrap, REST API, Session Mgmt
Impact: Developed an interactive weather app (OpenWeatherMap API) delivering real-time 7-day forecasts (5 metrics) and managing user search history (10 recent locations).

Achievements & Certifications

- **Hackathon Champion** – Spearheaded a 4-member team to 1st place (vs. 20+ teams) at COER Hackathon, architecting an AI healthcare platform with 5 features.
- **Microsoft Training Academy** – Completed a 6-week intensive internship, delivering 2 full-stack projects and applying agile methods in a 3-person team.
- **Coding Contest Participant** – Actively participated in multiple online coding competitions, solving algorithmic problems and improving problem-solving skills.
- **SQL Fundamentals Certification** – Earned SQL Certification, verifying proficiency via 50+ practical exercises.
- **Backend Development with Node.js** – Certified in Node.js Backend Dev; built/deployed 5+ RESTful API projects (avg. 10 endpoints each).
- **Internships: CodeSoft, Bharat Intern, CodeClause** – Gained 6+ months of practical dev experience across 3 internships, contributing to 5+ projects (avg. 2 key features/project) using Agile.

Education

- **Bachelor of Technology (B.Tech), Computer Science Engineering**, College of Engineering Roorkee (COER)
  2022 – 2026 (Currently in 6th Semester)

- **Intermediate (Class 12th)**, Police Modern Senior Secondary School
  2021

- **High School (Class 10th)**, Police Modern Senior Secondary School
  2019

Interests

- **Full-Stack Development**: Engineering scalable web apps (Django, Node.js, React); specializing in backend APIs, auth, payment integration.
- **AI Integration DevOps**: Integrating AI features in web apps; practiced in cloud deployment (Render, Vercel) Git workflows.
- **Data Analytics**: Skilled in data visualization and extracting actionable insights from diverse datasets.
- **Competitive Coding**: Honing algorithmic skills via LeetCode (100+ problems), Codeforces, and 3+ hackathons.