

VAIBHAV GUPTA

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Professional Summary

A motivated and skilled developer with proven experience in Java optimization, front-end, and full-stack web development. Demonstrated ability to enhance project performance by 20% and deliver ATS-compliant solutions. Proficient in Java, Python, JavaScript, React, and LaTeX, with a solid grasp of Data Structures and Algorithms, solving over 200 problems on LeetCode and other platforms. Adept at delivering innovative, timely solutions and collaborating effectively in diverse team environments; eager to contribute technical and problem-solving skills to cutting-edge projects.

Projects

◦ ATS-Friendly resume builder 🔗

Technologies: Node.js, Javascript, LaTeX, CSS, HTML | **March 2025**

- Developed a full-stack web application to create ATS-compliant resumes with dynamic LaTeX-based PDF generation.
- Optimized resume structure for 100% ATS compatibility, ensuring keyword-rich formatting without graphics or tables.
- Designed a responsive user interface for seamless experience across devices.

◦ AI Chatbot 🔗

Technologies: HTML5, CSS3, JavaScript (ES6+), Google Gemini API, Emoji Mart | **July 2025**

- Built an interactive web-based AI chatbot with features like emoji picker, file attachments, and session-based chat history.
- Implemented secure API integration with modular code and ensured a responsive, user-friendly chat UI.

◦ N Queen Visualizer 🔗

Technologies: JavaScript, CSS, HTML, Visualisation, chess-queens, Data-Structure | **January 2024**

- Created an interactive visualizer solving the N-Queens problem for boards up to 20x20.
- Enhanced algorithm efficiency by 30% using optimized backtracking, rendering 1,000+ unique board configurations with CSS animations.

◦ Whatsapp Spam Detection using ML 🔗

Technologies: Multimodal Navie Bayes Classifier, Streamlit | **June 2024**

- Achieved 95% accuracy in spam message detection using ML and NLP techniques.
- Processed over 10,000 messages with 92% precision, implementing real-time chat filtering and visualization dashboard.

Education

◦ B. Tech in Computer Science(AI)	2022-2026
Noida Institute of Engineering and Technology, Gr. Noida	
◦ Intermediate (PCM)	2021-2022
S.S.V. Inter College, Ayodhya(UPMSP Board)	
◦ High School	2019-2020
S.S.V. Inter College, Ayodhya (UPMSP Board)	

Technical Skills

- **Programming Languages:** Java, Python, JavaScript, LaTeX, Structured Query Language (SQL).
- **Web Development:** HTML5, CSS3, Tailwind CSS, React.js, Node.js, Express.js, REST APIs.
- **Core CS Concept:** Data Structures & Algorithms(DSA), Object-Oriented Programming (OOPs).
- **Tools & Platforms:** Git, GitHub, Postman, Streamlit, Render, Vercel.
- **Machine Learning & AI:** Basics of Machine Learning, Natural Language Processing (NLP).
- **Soft Skills:** : Problem Solving, Collaboration, Adaptability, Creativity, Attention to Detail.

Certifications/Achievements

- Solved 200+ Data Structures and Algorithms problems on **Leetcode** and **GeeksforGeeks**
- **Hackerrank:** Earned 5-star rating in Data Structures and Algorithms (Java)
- **ReactJS Certification** - Infosys SpringBoard.
- **Certification in Data Structures and Algorithms with Java**