

ALOK KUMAR DWIVEDI

Software Engineer | Full-Stack Developer

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Summary

Computer Science undergraduate passionate about AI and Machine Learning with hands-on experience in software development and full-stack web apps. I've built scalable platforms and tackled challenging problem-solving projects. Seeking a Software Engineering Internship (SWE Intern) to apply my skills at companies like Microsoft. Strong communicator with experience in operational excellence, front-end development, UX thinking, and technical leadership.

Education

G.L. Bajaj Institute of Technology and Management Bachelor of Technology in Computer Science (AI & ML) CGPA: 8.01 / 10.0	Greater Noida, Uttar Pradesh Nov 2022 – Present
Suraj School Senior Secondary (XII), CBSE Board Percentage: 90.5%	Gurgaon, Haryana 2021 – 2022
Secondary (X), CBSE Board Percentage: 81.2%	2019 – 2020

Technical Skills

- **Languages:** C++, SAP ABAP, Python, JavaScript, HTML5, CSS3
- **Frameworks:** jQuery, React.js, Node.js, Express.js
- **Databases:** MySQL, MongoDB
- **Tools:** Git, GitHub, VS Code, MCP Server
- **Design:** Photoshop, Illustrator, Canva
- **Concepts:** Data Structures, Algorithms, OOP, Machine Learning, Software Engineering, Full-Stack Development, UI/UX Design, Web Application Development

Soft Skills

- Strong communication, teamwork, and leadership in collaborative projects
- Articulate in technical and non-technical discussions with stakeholders
- Operational excellence in executing and delivering high-quality outcomes
- Time management, adaptability, UX-focused problem solving, and product design thinking

Projects

NayaySutra <i>AI Legal Assistance Platform</i> [Live Demo] [GitHub]	React.js, HTML, CSS, Node.Js, Express.js, MongoDB
<ul style="list-style-type: none">• Built a full-stack platform for legal aid with instant document generation• Reduced legal query resolution time by 60% with an AI chatbot integration• Delivered responsive UI focused on accessibility, UX, and user engagement• Prioritized product quality with iterative feedback from legal advisors	
Disaster Management System <i>Real-time Emergency Platform</i> [Live Demo] [GitHub]	Node.js, PostgreSQL, Socket.IO
<ul style="list-style-type: none">• Designed scalable backend for emergency alerts with geospatial triggers• Integrated social media monitoring and location-based response tools• Reduced disaster reporting latency by 50% with real-time Socket.IO architecture	
Website Security Checker <i>AI-Powered URL Risk Analyzer</i> [Live Demo] [Backend] [Frontend]	Python, Flask, React.js, TailwindCSS, Gemini AI
<ul style="list-style-type: none">• Developed a web security platform with SSL checks, AI-powered analysis, and live threat monitoring• Integrated Flask backend with VirusTotal, Safe Browsing APIs, and Gemini-2.5 Flash for comprehensive security scoring and reporting	

Certifications

• AWS Academy Cloud Architecting – Amazon Web Services	[Verify]
• CCNA: Enterprise Networking – Cisco	[Verify]
• Problem Solving (Basic) – HackerRank	[Verify]

Leadership & Achievements

- Solved **250+** problems on LeetCode demonstrating algorithmic skills
- **Graphic Designer** for tech clubs; created 20+ digital campaigns
- Participated in **3 hackathons**, including Smart India Hackathon 2023
- Mentored junior students in academic and side projects delivering production-ready solutions