Aastha Bansal

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Education

Jaypee University of Information Technology, B.Tech in Computer Science (Sept 2022 – Present)
CGPA: 7.9 | **Coursework:** Object-Oriented Programming, Operating Systems, Database Management, Data Structures, Algorithms, Machine Learning, Cloud Computing
Indus Valley Public School, Noida
XII (2021-2022) - 73.8% | **X** (2019-2020) - 89.4%

Experience

Frontend Developer Intern, Blazpay (June 2025 – Present)
 - Built responsive components for the landing page, About Us, and Careers pages.
 - Fixed UI issues in the DeFi protocol, including numeric-only inputs.
 - Ensured smooth rendering across screen sizes, enhancing mobile responsiveness.
Video Editor Intern, PollPe (June 2024 – Oct 2024)
 - Edited promotional videos and reels, increasing engagement by 30%.
 - Collaborated with teams to create high-quality content.
 - Used Davinci Resolve and Inshot Pro to enhance video quality and production.

Projects

Algorithm Visualizer
• Developed a Flask-based web app to visualize sorting algorithms with bar animations, time complexity, and iteration counts.
• Implemented 10+ algorithms including Merge Sort, Quick Sort, and Heap Sort with an interactive UI.
• Designed a responsive frontend using HTML, CSS (Bootstrap), and JavaScript.
Technologies: Flask, HTML, CSS (Bootstrap), JavaScript

Resume-Based Job Recommendation System
• Built a cloud-based web app that parses resumes using NLP to recommend relevant job listings.
• Implemented real-time job scraping and resume-job matching using similarity metrics.
• Enabled secure authentication and scalable performance using serverless deployment.
Technologies: Next.js, TypeScript, PostgreSQL, NLP (Compromise.js), Web Scraping, Vercel

Technical Skills

Languages: HTML, CSS, JavaScript, TypeScript, C, C++, Python, MySQL
Frameworks/Libraries: React.js, Next.js, Flask
Tools Platforms: Git, MATLAB, DaVinci Resolve, Excel, VS Code, Jupyter Notebook

Certifications

• **Machine Learning and Deep Learning Specialization** - Coursera
• **Python Foundation Certification** - Infosys Springboard
• **Computational Theory: Language Principles and Finite Automata Theory** - Infosys Springboard

Achievements

• **Secretary, JUIT Youth Club** (Aug 2024 – June 2025)
 - Organized campus-wide events, increasing student engagement.
 - Led a team of 62+ members, enhancing communication and leadership skills.
 - Managed paperwork and logistics for various events.
• **Member, ACM** (Jan 2024 – May 2025)
 - Participated in hackathons and coding competitions, refining problem-solving abilities.
 - Attended workshops on Web Development, C++, and algorithms.