

JAI KANSAL

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PROFESSIONAL SUMMARY

Computer Science student with proven expertise in full-stack development (Next.js, React, TypeScript) and DSA problem-solving. Experience in building responsive web applications and optimizing algorithms. Skilled at leveraging AI tools like ChatGPT and Cursor AI to enhance development efficiency while maintaining code quality and independent problem-solving abilities. Seeking software engineering roles to apply technical versatility in creating impactful solutions.

EDUCATION

B.Tech in Computer Science and Engineering - Faculty of Technology, University of Delhi (Expected 2027)

Senior Secondary Education - Saraswati Bal Mandir, Hapur (2023) - Science Stream,

Secondary Education - Arwachin Int. School, Pilkhuwa (2021)

PROFESSIONAL EXPERIENCE

Software Intern - Cequence Security | Remote | Jun 2025 - Present

- Gained hands-on experience in cloud infrastructure by setting up AWS EC2 instances, VPCs, and NAT gateways, improving scalability and security of deployment environments.
- Automated provisioning of infrastructure using Terraform, reducing setup time and ensuring reproducibility across environments.
- Deployed and managed Docker containers on Linux-based EC2 instances, enabling efficient application isolation and portability.
- Configured and integrated Kong API Gateway with custom plugins to enhance API performance, observability, and security.
- Collaborated with a remote intern to design a demo-ready cloud architecture (VPC, NAT, EC2, APIs) for multi-user scenarios, optimizing usability for customer demonstrations.
- Developed and executed cross-platform API and server testing to validate performance and reliability across environments.

Coding Problem Setter - VCriate | Remote | Jun-Sep 2024

- Designed 30+ unique DSA problems across difficulty levels, expanding platform repository by 15%
- Implemented optimized solutions in Java, C++, and Python, reducing error rates by 25%
- Created comprehensive test cases covering edge scenarios, improving quality assessment by 40%
- Collaborated with technical reviewers achieving 98% approval rate for submitted problems

TECHNICAL PROJECTS

Carpooling Web Application - Next.js, TypeScript, React.js, Node.js

- Architected full-stack platform with responsive component-based UI

- Utilized AI-powered tools including ChatGPT and Cursor AI to accelerate development cycles by 50%

Personal Portfolio Website - HTML5, CSS, JavaScript, GSAP

- Developed responsive website with 95% mobile compatibility and interactive GSAP animations
- Implemented SEO best practices and performance optimizations achieving 92/100 PageSpeed score

DSA Problem Set Development - Java, Python, C++

- Created 25+ algorithmic problems with solutions demonstrating 30-50% performance improvements
- Built test suites with 100% coverage validating solutions across multiple edge cases

TECHNICAL SKILLS

- **Languages:** Java, Python, C, C++ (Beginner)
- **Cloud & DevOps:** Amazon AWS (EC2, VPC, NAT, Security Groups), Terraform (IaC), Docker, Linux (Ubuntu), AWS CLI, API & Server Testing
- **API Management & Networking:** Kong API Gateway (with plugins), Cross-platform API integration, Network Configuration & Routing
- **Web Development:** JavaScript, TypeScript, React.js, Next.js, Node.js, HTML5/CSS, GSAP
- **CS Fundamentals:** Data Structures & Algorithms, Object-Oriented Programming
- **Development Tools:** Git, GitHub, VS Code, AI-assisted development (ChatGPT, Cursor AI, Kiro AI, Trae AI)
- **Methodologies:** Agile Development, Test-Driven Development

SOFT SKILLS & CERTIFICATIONS

- Strategic Problem Solving
- Technical Communication
- Collaborative Teamwork
- Project Management
- Python Programming (**University of Michigan**)
- Prompt Engineering (**Great Learning Academy**)

ACHIEVEMENTS

- Winner, Stratazenith Competition, Indian Game Theory Society at IIT Delhi (October 2023)