

# DAKSH SHARMA

Software Engineer | [dakshsharma05@outlook.com](mailto:dakshsharma05@outlook.com) | +91 9911569478 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## SUMMARY

Software & DevOps Engineer with proven expertise in Backend Development, CI/CD pipelines, Distributed Systems, and Containerization. Proficient in Python, Django, C++, and JavaScript with hands-on experience in Docker, Jenkins, and AWS for automated deployments. Demonstrated ability to design scalable applications, distributed systems, and cloud-based architectures. Strong foundation in Data Structures & Algorithms with practical experience in microservices architecture and CI/CD implementation.

## PROFESSIONAL EXPERIENCE

### Full Stack Engineer

HireZapp, Gurugram | August 2025 – December 2025

- Developed and deployed 25+ production-ready backend automation scripts improving operational efficiency by 60%, ensuring high availability and zero downtime in critical workflows.
- Optimized backend services by implementing asynchronous processing and caching strategies, reducing average response time from 1.8s to 500ms.
- Built an event-driven job application automation system using AWS SQS and Lambda, processing 1,100+ applications per recruiter asynchronously with zero manual intervention, and implemented a systematized mailing system via AWS SAM, reducing email dispatch time by 65%.

### Backend Development Intern

Metagates Innovation, New Delhi, Delhi | April 2024 – September 2024

- Engineered scalable Python/Django RESTful APIs for healthcare management systems, improving customer data accuracy by 35% and reducing response times from 5 seconds to under 2 seconds
- Conducted comprehensive regression testing of ABHA (Ayushman Bharat Health Account) APIs using Thunderclient, resulting in 75% increase in customer site interactions and improved system reliability
- Collaborated with cross-functional teams to optimize API performance and implement best practices for healthcare data security and compliance.

## TECHNICAL SKILLS

**DevOps & Cloud:** Docker, Jenkins, GitHub Actions, Git, Grafana Loki, Prometheus, AWS (EC2, S3, IAM, SQS, Lambda, CloudWatch), CI/CD Pipelines, Kubernetes, Containerization, IaC, Linux, Bash/Shell Scripting, Terraform

**Backend Development:** Python (Django, Flask), C++, Node.js, GraphQL, REST APIs, Microservices Architecture, Render, Railway, API Design

**Frontend Development:** Next.js, React, JavaScript (ES6+), HTML5, CSS3, Responsive Web Design

**Databases:** DynamoDB, MySQL, PostgreSQL, Supabase, Database Design, Query Optimization

## KEY PROJECTS

### [Chasing Cosmos - Research Paper CLI Tool](#)

**Technologies:** C++, Command-Line Interface, Docker, Docker Compose, Windows Package Manager, Winget, GitHub Actions

- Redesigned a high-performance CLI tool providing single-command access to 100+ million research papers across multiple academic disciplines, reducing literature review time by 90% for researchers, PhD candidates, and academicians
- Initiated secure deployment using Windows Sandbox and Docker containerization, ensuring reliable access to 7+ open-source academic platforms including ResearchGate, MIT OpenCourseWare, arXiv, and CORE

### [Volt – Terminal-Based CLI Tool for API Testing](#)

**Technologies:** Rust, Docker, GitHub Actions, Brew Formula

- Handcrafted **Volt**, a **Rust-based terminal API client** with zero-config auto route discovery across **15+ frameworks** (Express, FastAPI, Next.js, Axum, etc.), eliminating browser-based tooling overhead for developer workflows
- Shipped **cross-platform binary distributions** for Linux, macOS, and Windows via shell scripts, Homebrew, and PowerShell installers — driving **100+ installs** and **110K+ Reddit impressions** with no infrastructure spend
- A **zero-dependency, single-binary CLI tool** with per-route persistence and full TUI navigation, reducing API testing environment setup to a single command across any project directory

### [Infrastructure/Cloud & Competitive Programming Guidebook](#)

**Technologies:** Git, GitHub Actions, Python, Docker, Jenkins, Next.js, Grafana Loki, Prometheus

- Architected a GitOps-driven CI/CD pipeline using GitHub Actions with **3-stage validation** (linting, static analysis, build verification) and branch protection rules, ensuring **100% pipelined production releases** with zero manual intervention.
- Designed a version-controlled content management workflow with event-driven triggers and infrastructure-as-code principles, automating site regeneration on commit and ensuring real-time synchronization of study resources while maintaining **100% deployment consistency**

## EDUCATION

Noida Institute of Engineering and Technology, AKTU

Bachelor of Technology in Computer Science

Graduation: July 2026

**GPA: 8.3/10.0** (through 7th Semester) | Concentration: Data Science / Cloud Infrastructure

**Coursework:** Data Structures & Algorithms, Object-Oriented Design, Neural Networks, Machine Learning, Distributed Systems, Statistics & Applications

## LEADERSHIP & AWARDS

**Best Delegate Award** - Conventus Model United Nations

Noida, Uttar Pradesh

Represented French Delegation with distinction in international relations simulation

**Finalist** - Innohacks NSUT

Dwarka, Delhi

Advanced to the finals by developing innovative NLP model solution within 30-hour time constraint

**Top 5 Finalist** - Hackaccino Bennett University

Greater Noida, Uttar Pradesh

Achieved top 5 ranking among 400+ participants across Delhi NCR region. Revitalized award-winning Decentralized Crowdfunding Web Application and received recognition for best Web3 implementation