# DAKSH SHARMA

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## SUMMARY

Software & DevOps Engineer with proven expertise in Backend Development, CI/CD pipelines, Distributed Systems, and Containerization. Proficient in Python, Django, C++, Java and JavaScript with hands-on experience in Docker, Jenkins, and AWS for automated deployments. Demonstrated ability to design scalable web 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 30+ production-ready backend automation scripts improving operational efficiency by 60%, ensuring high availability and zero downtime in critical workflows.
- Automated end-to-end CI/CD pipelines using GitHub Actions, Docker, and AWS ECS, reducing manual deployment efforts by 70% and accelerating release cycles.
- Optimized backend services by implementing asynchronous processing and caching strategies, reducing average response time from 1.8s to 500ms.

**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, AWS, CI/CD Pipelines, Containerization, IaC, WebSockets
**Backend Development:** Python (Django, Flask), C++, Node.js, REST APIs, Microservices Architecture, Render, Railway, API Design
**Frontend Development:** Next.js, React, JavaScript (ES6+), HTML5, CSS3, Responsive Web Design
**Databases:** 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
- Developed 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
- Implemented optimized search and retrieval algorithms with C++ for maximum performance and efficiency
- Engineered secure deployment using Windows Sandbox and Docker containerization, ensuring reliable access to 7+ open-source academic platforms including ResearchGate, MIT OpenCourseWare, arXiv, and CORE

Decentralized Crowdfunding Marketplace
**Technologies:** Next.js, Solidity, Hardhat, MetaMask, Ethereum Blockchain
- Built comprehensive Web3-based crowdfunding platform on Ethereum blockchain, successfully facilitating 100+ secure transactions monthly with zero failed transactions
- Innovated and refined smart contracts for automated crowdfunding and escrow services, maintaining 99.9% system uptime and ensuring complete transaction security
- Integrated MetaMask wallet and Hardhat development framework, achieving 40% reduction in transaction processing time compared to traditional payment methods

Coderr - Competitive Programming Platform
**Technologies:** Next.js, WebSockets, Docker, Piston API, Supabase, Real-time Systems
- Created real-time multiplayer competitive programming platform with advanced matchmaking system and private room functionality, supporting 100+ concurrent players simultaneously
- Built multi-language code editor with secure code execution environment, processing 1,000+ daily code submissions through Dockerized Piston API integration
- Implemented timed Data Structures & Algorithms coding challenges with redesigned game mechanics, reducing average game duration by 30% and increasing user engagement

## EDUCATION

Noida Institute of Engineering and Technology, AKTU
Bachelor of Technology in Computer Science                                          Expected Graduation: May 2026
GPA: **8.3/10.0** (through 6th Semester) | Concentration: Data Science/Machine Learning
Relevant Coursework: Data Structures & Algorithms, Object-Oriented Design, Computer Organization & Programming, Neural Networks, Machine Learning, Statistics & Applications

## LEADERSHIP & AWARDS

Best Delegate Award - Conventus Model United Nations                                          Greater Noida, Uttar Pradesh
Represented French Delegation with distinction in international relations simulation

Finalist - Innohacks NSUT                                          Dwarka, Delhi
Advanced to 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