

NISHANT SHARMA

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SUMMARY

M.S. candidate in Computer Engineering at NYU Tandon with proven full-stack development and cloud-native deployment experience. Expert in LLM fine-tuning, deep learning, and production-grade MLOps. Seeking roles in AI research, data science, AI application engineering, or full-stack software development.

TECHINICAL SKILLS

- **Programming & Frameworks:** Python, Java, C++, JavaScript
- **Frameworks & Libraries:** React, Node.js, FastAPI
- **Machine Learning & Data:** PyTorch, TensorFlow, Hugging Face Transformers
- **Cloud & DevOps:** AWS, Docker, Kubernetes, Terraform, GitHub Actions

EDUCATION

NEW YORK UNIVERSITY, TANDON SCHOOL OF ENGINEERING, NEW YORK, NY

Master of Science in Computer Engineering, GPA: 3.6 (Sep 2024 – May 2026)

Relevant Coursework: Machine Learning; Deep Learning; MLOps; DevOps; Internet Architecture & Protocols; Real-Time Embedded Systems; Foundations of Finance.

DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY, DELHI, INDIA

Bachelor of Technology in Computer Science & Engineering, 1st Division with Honors (Aug 2020 – Jun 2024)

Leadership & Activities: Technical Head, CSI Student Chapter – Led a 15-member team to run full-stack, DevOps, and Python hackathons/workshops for 200+ students.

EXPERIENCE

Co-Founder & Lead Engineer | Ingelt Board | Dec 2022 – Jul 2024, India

- Architected and scaled a microservices-based SaaS platform in NodeJS (Express) and React, serving 5,000+ students and 200+ counselors; implemented CI/CD pipelines and ML-powered support system, boosting DAU by 30%
- Managed AWS infrastructure (EC2, RDS, S3) with Terraform, Docker, and Kubernetes—ensuring 99.9% uptime and seamless production deployments
- Led a 12-engineer Agile team through three full-lifecycle product releases on schedule

Subject Matter Expert | Chegg India | Sep 2022 – Jul 2023, India

- Delivered 1,000+ step-by-step CS and engineering solutions with a 97% student-helpfulness rating, simplifying complex topics for enhanced learning
- Reviewed and improved solution accuracy, contributing to higher content quality and platform reliability

Software Developer Intern | Macverin Technologies | Jul 2022 – Dec 2022, India

- Developed full-stack web applications in Java and Python for 8+ clients, improving page-load performance by 25% and security compliance by 15%
- Automated CI/CD workflows with Jenkins and GitHub Actions, cutting build-to-deploy time from weekly to daily
- Containerized services with Docker and deployed across AWS, GCP, and Azure, reducing hosting costs by 20% while maintaining 99.9% uptime

PROJECTS

A Comprehensive Study on Generalization in AI (2024)

- Implemented and evaluated BERT transformer, K-Means clustering, regression, and time-series analyses on e-commerce datasets to diagnose and propose solutions for model generalization challenges.

Real-Time Sentiment Analysis Chat App (2023)

- Built a socket-based web chat application in Python and JavaScript; integrated a transformer model to rate conversational sentiment on a 5-point scale, achieving sub-100ms inference latency.

Neighborhood Awareness Application (2022)

- Developed an end-to-end ML pipeline using News API, web scraping, and a RoBERTa NLP model to aggregate and classify local news and crime data into a user-friendly dashboard.