



EDUCATION

Degree/Certificate	Institute	CGPA/%	Year
B.Tech, Artificial Intelligence and Data Science	Indian Institute of Technology (IIT) Jodhpur	8.20/10	2027
Senior Secondary (+2)	CBSE Board White Leaf Public School, New Delhi	93.6%	2023
Secondary (10th grade)	CBSE Board Delhi Public School, Noida	96.80%	2021
<ul style="list-style-type: none">• Courses: Data Structures & Algorithms (Top 10 out of 250+ students), Pattern Recognition & Machine Learning, Principles of Computer Science (Operating Systems, Computer Architecture, Computer Networks)• All India Rank 3155 in JEE Advanced 2023 All India Rank 6258 in JEE Mains 2023			

TECHNICAL SKILLS

Languages, Frameworks & Databases	TypeScript · JavaScript (React, Next.js, Node.js/Express) · Python · C/C++ · Java · Verilog · MongoDB · PostgreSQL · Redis
Data & ML	Pandas · NumPy · TensorFlow · PyTorch · Scikit-learn
DevOps & Tooling	Google Cloud · Azure · Vercel · GitHub Actions (CI/CD) · Git · Docker · Linux/Unix
Certifications	CS50P: Introduction to Python Programming Stanford Machine Learning Specialization

EXPERIENCE

SDE Intern AcroEdge Systems Pvt. Ltd.	♦ Noida, India	♦ Remote	May'25 - Present
<ul style="list-style-type: none">• Backtesting Platform: Architecting a simulation framework for equity and options strategies, integrating historical and live options-chain data to validate and optimize trading models.• Low-Latency Data Ingestion: Connected to Zerodha's Kite Connect WebSocket API for real-time market feeds, achieving millisecond-level latency.• Cross-Market Auto-Trading Engine: Developing an end-to-end algorithmic trading system for automated order execution, targeting Indian equities, forex, and cryptocurrency exchanges.			
Undergraduate Researcher @ SPADE LABS IIT Jodhpur	♦ Jodhpur, India	♦ On-site	Aug'24 - Present
<ul style="list-style-type: none">• Research Paper (ACM-ICPP'54 Submission): Authored a research paper for ICPP under Prof. Dip Sankar Banerjee, that introduces optimized algorithms for computing percolation centrality in dynamically evolving networks, realizing a 3.5–9x speedup compared to traditional static graph approaches.			

PROJECTS

Portfolio Website Personal Project	Jun'25
<ul style="list-style-type: none">• Built a dark-themed, responsive Next.js/React site with sections for About, Projects, Blog, and Contact; deployed on Azure Static Web Apps and backed by a GitHub Actions CI/CD pipeline (automatic build, test, and deploy on pushes to main)	
ChatSphere: Machine Learning-Based NLP Framework Machine Learning - Course Project	Mar'25 - Apr'25
<ul style="list-style-type: none">• Developed and deployed a full-stack NLP chatbot: trained and hosted classical ML models (built from scratch) alongside a Node.js/Express backend on Google Cloud (Cloud Run), paired with a React frontend on Vercel; established CI/CD pipelines via Google Cloud Build for automated backend/model deployments and Vercel for frontend, ensuring rapid, zero-downtime releases	
NextCommerce — Full-Stack E-Commerce Platform DSA - Course Project	Sep'24 - Nov'24
<ul style="list-style-type: none">• Built an auto-scaling e-commerce platform with C++ microservices (bipartite-graph recommendations & trie search <10 ms), a Next.js/ Material-UI frontend, Express/Node.js + MongoDB Atlas backend with Google SSO, deployed on Vercel & Render	

ACHIEVEMENTS & LEADERSHIPS

<ul style="list-style-type: none">• Inter IIT Tech Meet 13.0 (IIT Bombay): Secured 3rd place out of all 23 IITs in ISRO's Data Analytics High-Prep challenge by processing 7 Million+ Chandrayaan-2 CLASS XRF spectra using statistical, ML & DL techniques and visualizing elemental maps on the <i>LROC albedo base map</i> and a <i>3D lunar model</i>.• Predictathon: Data Science Hackathon - Secured 3rd place out of 650+ teams for developing a Deepfake detector using Deep Learning solution using transfer learning with EfficientNetB0, CNNs & Transformers with 90%+ accuracy• Robotics Society Coordinator: Managing team of 15 students, organizing workshops reaching 300+ participants• Support Team Member of Career Development Cell: Helped conduct online assessments and interview rounds for various companies, and networked with HRs of hiring companies to facilitate campus recruitment• Solved 200+ LeetCode problems	
--	--