



EDUCATION

Degree/Certificate	Institute	CGPA/%	Year
B.Tech, Artificial Intelligence and Data Science	Indian Institute of Technology (IIT) Jodhpur	7.70/10	2027
Senior Secondary (+2)	CBSE Board White Leaf Public School, New Delhi	93.60%	2023
Secondary (10th grade)	CBSE Board Delhi Public School, Noida	96.80%	2021

TECHNICAL SKILLS

Languages	Python · C/C++ · CUDA · Java · TypeScript · JavaScript · Verilog
Frameworks & Databases	OpenMP · React · Next.js · Nest.js · Node.js/Express · Expo · 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 · Bash Scripting

EXPERIENCE

SWE Intern MongoDB (Kubernetes Team)	♦ Gurgaon, India	♦ On-site	May 2026 - Present
• Exploring Agentic AI applications for cloud-native developer tooling within MongoDB's Kubernetes team, investigating how LLM-driven agents can automate and streamline workflows across infrastructure development and operations			
SDE/Research Contractor AfterQuery (YC W25)		♦ Remote	Oct 2025 - June 2026
• Designed adversarial test suites across multiple repositories to surface failure modes in frontier LLMs (e.g., Claude Opus 4.8) on real-world software engineering tasks, validating fixes against ground-truth solutions			
• Evaluated AI-generated solutions to ML competition problems against structured rubrics, assessing model selection, data leakage, encoding correctness, and cross-validation, to benchmark LLM performance on data science tasks			
SDE Intern CarSaarthi		♦ Remote	Sep 2025 - Dec 2025
• Built the complete system architecture using NestJS for the backend and React Native with Expo for the mobile app. Set up secure login with JWT , Apple , and Google sign-in , and used SecureStore for storing data safely on the device			
• Designed and implemented the mobile app interface , adding OTP-based login , a SaarthiCoin wallet , and a consistent layout for a clear, easy-to-use experience across all screens			
SDE Intern Acro Edge Systems Pvt. Ltd.	♦ Noida, India	♦ Remote	May 2025 - Aug 2025
• Designed a TypeScript framework that ingests and backtests 3 months of historical NIFTY data via Zerodha Kite API and streams real-time NIFTY and options quotes over WebSockets, enabling strategy simulation			
• Developed a Model Context Protocol server to serve live NIFTY, weekly options, historical data, and portfolio positions as unified, callable endpoints for downstream AI applications			

RESEARCH WORK & PROJECTS

Researcher @ SPADE LAB supervised by Prof. Dip Sankar Banerjee IIT Jodhpur	Aug 2024 - Present
• DyGMIS: Fast and Scalable Fully Dynamic MIS Maintenance on Large Evolving Graphs - Prajjwal Nijhara, Trivedi Aditya, Agam Harpreet Singh @ ICPP 2026 (under review)	
• Fast and Accurate MIS on Dynamic Graphs - Agam Harpreet Singh , Neha Sharma, Aditya Trivedi @ IEEE HiPC 2025	
• Efficient Parallel Algorithms for Dynamic Percolation Centrality - Prajjwal Nijhara, Agam Harpreet Singh @ ICPP 2025 (accepted).	
GreedyViG-CIFAR Deep Learning Course Project Code Presentation	May 2026
• Diagnosed four compounding bugs in GreedyViG 's graph-construction pipeline, including a silent no-op that disabled all graph convolutions, that capped baseline CIFAR-100 accuracy at 51.7%	
• Redesigned the stem, introduced a learnable soft-threshold graph connectivity mechanism, SE channel attention , and dual max+mean aggregation, improving top-1 accuracy to 72.9% (+21.2 pp) .	

ACHIEVEMENTS & LEADERSHIPS

• Inter IIT Tech Meet 13.0 (IIT Bombay): Secured 3rd place out of all 23 IITs in ISRO's Data Analytics High-Prep Challenge
• Predictathon: Data Science Hackathon - Secured 3rd place out of 650+ teams for developing a Deepfake detector using transfer learning with EfficientNetB0, CNNs & Transformers with 90%+ accuracy
• AI & Automation Coordinator – Robotics Society: Managing team of 60+ students, organizing workshops reaching 300+ participants
• Overall Coordinator – International Relations Team: Leading the Web Development and Media team