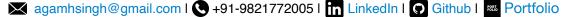
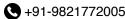
AGAM HARPREET SINGH











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 I White Leaf Public School, New Delhi	93.6%	2023
Secondary (10th grade)	CBSE Board I Delhi Public School, Noida	96.80%	2021

- 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 I Stanford Machine Learning Specialization	

EXPERIENCE

SDE Intern | AcroEdge Systems Pvt. Ltd.

♦ Noida, India

◆ Remote

May'25 - Present

- · Backtesting Platform: Architecturing a simulation framework for equity and options strategies, integrating historical and live optionschain 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-
- · 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

• 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

· 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

· 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

 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

- 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 LROC albedo base map and a 3D lunar model.
- · 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