

Jeeyan S. Mhajan

(917) 770-2814 | jsm88@njit.edu | Hoboken, NJ, 07030 | [linkedin.com/in/jeeyanmhajan](https://www.linkedin.com/in/jeeyanmhajan) | github.com/JSingh950

EDUCATION

New Jersey Institute of Technology – Ying Wu College of Computing <i>Bachelors of Science in Computer Science, Minor in Business</i> Relevant Coursework: Algorithms, Data Structures, Machine Learning, Databases, Systems Design, Financial Modeling, Statistics, Effective Communication	Newark, NJ GPA: 3.61/4.00 Expected Graduation: May 2028
--	---

TECHNICAL SKILLS

Languages: Python (Fluent), JavaScript/TypeScript, Java, C++, SQL, C#
AI/ML & Deep Learning: PyTorch, TensorFlow, NumPy, Pandas, Deep Learning, Reinforcement Learning (RL) Frameworks
LLMs & Agentic Systems: LLM APIs (Anthropic Claude, OpenAI), Prompt Engineering, Autonomous AI Agents & Goal-Directed Agentic Workflows, Claude Code
Cloud, DevOps & Infra: AWS (EC2, Lambda, S3), Google Cloud (Compute Engine, BigQuery), Docker, CI/CD (GitHub Actions), Linux, E2E ETL Pipelines
Databases & Vector Engines: PostgreSQL, MongoDB, Firebase, Vector Embeddings & Vector Databases

PROFESSIONAL EXPERIENCE

AI in Finance and Transportation (Undergrad Research) <i>AI/ML Researcher</i>	Newark, NJ April 2025 – February 2026
- Deployed ML forecasting models as an internal dashboard monitoring real-time traffic congestion across 3 corridors, cutting manual review time by 30%. - Preprocessed and feature-engineered 50K+ multi-source records with hyperparameter tuning, reducing model error rates by 10%. - Built E2E production pipeline from data ingestion to dashboard delivery, translating research into deployment-ready ML solutions.	
Singh Capital Partners <i>Private Equity Research Intern</i>	Bethesda, Maryland April 2024 – May 2025
- Built valuation models for 3 investment targets, uncovering \$1M in potential revenue growth and supporting partner-level reviews. - Prepared due diligence decks and financial memos that were used in acquiring 2 client relationships in Q3 2024, expanding pipeline by 20%. - Reduced reporting cycle from 14 days to 10 by standardizing workflows across research and client teams.	

STARTUP COMPANY

Affinity(AI/GAIA) <i>Founder & Core AI Engineer</i>	Newark, New Jersey March 2026 – Present
- Built and shipped a locally hosted Agentic AI platform from scratch, owning the full product lifecycle from infrastructure to user interface. - Designed autonomous agent workflows incorporating LLM reasoning and goal-directed decision-making for professional services firms. - Translated research directly into a production-ready AI system with zero cloud dependency.	

PROJECTS

AI-Powered Permit & Zoning Compliance
- Built an end-to-end ML compliance tool using Python, reducing municipal workflow review times by 40% via an automated rules engine that flags architectural blueprint violations in 5< seconds - Developed a full-stack interface (React/Firebase) enabling users to query unstructured data pools seamlessly without writing code
Autonomous RL & ML Stock Predictor
- Architected a multi-model time-series forecasting system (including LSTM and ensemble networks) in Python to analyze historical market data and generate predictive price signals - Engineered high-performance data preprocessing workflows utilizing NumPy and Pandas, optimizing training data quality and reducing model training time by 25% - Designed custom evaluation frameworks using Matplotlib to debug model training processes, analyze performance metrics, & visualize error convergence
Campus Shield
- Built Campus Shield, a SwiftUI iOS app connecting NJIT students to campus safety via one-tap emergency dialing and real-time GPS tracking - Implemented multiple SOS triggers including shake detection, volume buttons, and lock screen widgets with background location tracking - Architected a modular Swift codebase with custom widget extensions, URL scheme deep linking, and live emergency chat with media sharing

LEADERSHIP

Office of Sustainability <i>Eco-Highlander(Campus Leader)</i>	Newark, NJ January 2026 – Present
- Serve as an EcoHighlander sustainability leader at NJIT, educating and engaging peers on eco-conscious living and environmental responsibility - Plan and execute sustainability initiatives including clothing swaps, energy-saving competitions, and donation drives to reduce campus environmental impact - Collaborate with residence hall leadership and fellow EcoHighlanders, dedicating 2–3 hours daily to advance campus-wide sustainability goals	
Laurel Hall Council <i>President</i>	Newark, NJ October 2025 – Present
- Lead residence hall council representing over 600 students, overseeing event planning, budgeting, and initiatives to enhance engagement. - Direct executive meetings, delegated responsibilities, and coordinated with Residence Life to address student concerns and hall policies. - Foster a positive residential culture through inclusive programming, collaboration with other councils, and advocacy for student needs.	
NJIT Student Senate E-Board <i>Secretary</i>	Newark, NJ September 2025 – December 2025
- Recorded and maintained official meeting minutes, agendas, and Senate documentation to ensure transparency and organizational accuracy. - Coordinated communication between E-Board, senators, and student organizations, streamlining event planning and policy discussions. - Improved constitution and campus initiatives representing over 11,000 students, strengthening student leadership and engagement.	