

Krish Sharma

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science, Minor in FinTech

Aug. 2022 – Dec. 2025

- **Concentrations:** Artificial Intelligence, Modeling & Simulation
- **Awards:** Winner at Lightning Fast AI Hackathon (2024), HackUTD (2024), CornellRX (2024), VandyHacks (2024 & 2023), Hacklytics (2024), UGA Idea Accelerator (2023), Delta Innovation Hub Startup Pitch Playoff (2023)

EXPERIENCE

Technology Analyst Intern (Wealth Management Group)

Jan. 2025 – Present

Morgan Stanley

Atlanta, GA

- Conducted market research and developed AI-driven portfolio optimization models, improving risk-adjusted returns by 12% and enhancing decision-making efficiency
- Integrated AI into financial data pipelines, enhancing data processing accuracy by 15% and reducing latency in real-time analytics workflows
- Streamlined client onboarding and business acquisition processes, resulting in a 20% reduction in processing time and maximizing potential gains from new partnerships

Founding Engineer

Jan. 2025 – Present

Deployo.ai

Remote

- Pioneered the development of a revolutionary no-code AI deployment platform, enabling one-click deployment from concept to production in seconds
- Engineered AI-driven optimization algorithms to ensure optimal resource allocation for deployed models across various cloud environments, reducing operational costs by up to 30%
- Implemented seamless integration capabilities, allowing the platform to work with any cloud provider and simplifying AI adoption for businesses of all sizes
- Contributed to a 5x increase in deployment speed compared to traditional methods, significantly accelerating time-to-market for AI-powered applications

Machine Learning Engineer Intern

Jan. 2024 – Present

Fung Group - Georgia Institute of Technology

Atlanta, GA

- Engineered Graph Neural Networks (GNNs) using PyTorch and TensorFlow for materials science applications, achieving a 20% improvement in model accuracy through innovative pre-training and optimization techniques
- Implemented cutting-edge crystal structure prediction algorithms and active learning methods for topology optimization, enhancing the efficiency and accuracy of materials discovery processes
- Developed inverse design algorithms for spectral analysis, integrating them with GNNs to create a comprehensive framework for AI-driven materials engineering and property prediction

PROJECTS

InvestIQ | Python, Flask, NextJS, AutoGen, Meta LLaMa

Nov. 2024

- Architected an innovative agentic AI system for algorithmic trading, leveraging dynamic retrieval mechanisms and enhanced generation models to provide superior financial insights
- Implemented an iterative code generation and execution framework, enabling the AI to autonomously refine trading algorithms until achieving optimal performance
- Developed a natural language interface that translates user queries into complex trading strategies, demonstrating a 70% improvement in algorithm quality through continuous self-improvement

Options Pricing Model | Python, Numpy, SciPy, Docker, SQLite

Aug. 2024

- Built a web app for calculating stock option prices using Black-Scholes, Monte Carlo, and Binomial models.
- Optimized performance with real-time financial data integration and caching, reducing API calls by 70%
- Developed a responsive frontend and deployed the docker containerized application on AWS with CI/CD pipelines

TECHNICAL SKILLS

Languages: Python, Java, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, Dart, C#

Frameworks: Tensorflow, Pytorch, Jax, Langchain, AutoGen, Flutter, React, NextJS, Flask, FastAPI, NodeJS

Developer Tools: Git, Docker, AWS, GCP, Azure, Kubernetes, Unix, Vector Databases