

Priyanshu Mehta

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science (Artificial Intelligence) | GPA: 4.0

Aug. 2022 – May 2025

- Undergraduate Teaching Assistant for *Introduction to Software Design and Engineering*.
- Involved in Data Science Quantitative Trading and Origami Clubs, participating in competitions and projects
- Two-time representative in Student Government; led initiatives on Student Needs and Mental Health Committees
- **Coursework:** Machine Learning, Computer Vision, Data Visualization, Data Structures & Algorithms

EXPERIENCE

AI Research & Development Intern

August 2024 – December 2024

Voloridge Health Startup | LLM Integration, Explainable AI, PyTorch, Docker, OCR

Remote

- Pioneered a LLM framework for biomarker extraction, achieving 96% accuracy on unstructured healthcare data
- Standardized multi-vendor healthcare data for enhanced usability in medical research and analytics
- Developed a scalable multi-modal data extraction pipeline, improving processing speed by 40% for clinical reports

Software Engineer Intern

May 2024 – August 2024

Voloridge Investment Management (Quantitative Hedge Fund) | REST API, Kubernetes, Linux

Miami, FL

- Developed a company-wide micro-service for logging prime broker interactions, replacing error-prone backend
- Created an application for seamless logging, retrieval, and CRUD operations on broker interactions
- Integrated CI/CD pipelines to facilitate notification and authentication services with DevOps collaboration
- Enhanced efficiency by 80% and improved data accuracy, aiding traders and executives at the firm

Data Science & Machine Learning Intern

May 2023 – August 2023

Go India Advisors | Python, Tensorflow, Beautiful Soup, AWS, Atlassian Git

Remote

- Augmented 1.5 million data points in a real-time database using web-scraping for publicly-listed companies
- Employed Monte Carlo model to predict sector-wise movements with 87% accuracy, providing strategic insights
- Designed NLP algorithms for entity recognition & sentimental analysis, linking price-movements with data
- Built ChatBot with OpenAI API and LangChain, extracting insights from financial statements 45% faster

PROJECTS

SEC 10-K Analyzer | *Retrieval Augmented Generation, spaCy, Streamlit, matplotlib*

- Developed NLP tool for analyzing SEC 10-K filings, aiding financial analysts and investors
- Extracted significant entities and trends using spaCy and embedding techniques, improving data accuracy by 30%
- Created interactive web interface with Streamlit, boosting user engagement by 25%
- Implemented RAG model to visualize key terms in word clouds, enhancing decision-making by 20%

ACL Ready: RAG-Based Assistant [EMNLP Publication] | *Python, React, Flask*

- Developed a RAG-based tool to assist authors with the ACL Responsible NLP Research checklist
- Implemented NLP techniques to parse and chunk TeX files, embedding sections for accurate responses
- Designed an intuitive web interface using React and Flask, enhancing user experience and engagement by 25%
- Achieved 92% user satisfaction, with accurate responses, aiding authors in responsible research practices

NavHeal [Patented] | *Kotlin, SQL, pandas, SMSManager*

- Developed a mobile app through Kotlin which reduced emergency response time by 53%
- Created statistical data models and achieving 65% improvement in emergency response strategies
- Innovated SMS feature, ensuring a 95% success rate in real time patient communication

SKILLS

Languages: Java, Python, C/C++/C#, SQL/NoSQL, JavaScript, R/MATLAB, Rust, Tableau

Frameworks: Django, Flutter, Tkinter, ASP.NET, Angular, Flask

Developer Tools: Git, Docker, Google Cloud Platform, Microsoft Azure, AWS

Libraries: pandas, NumPy, Matplotlib, LangChain, Beautiful Soup, PyTorch, NLTK, scikit-learn