

Priyanshu Mehta

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Bachelor of Science in Computer Science | GPA: 4.0

Aug. 2022 – May 2025

- Concentration in **Artificial Intelligence & Modelling-Simulation**
- **Undergraduate Teaching Assistant** for CS 2340: Objects & Design.
- Involved in Student Government, Data Science, & Quantitative Trading Clubs.
- **Coursework:** Advanced Algorithms, Computer Graphics, Information-Visualisation, Robotics & Perception

EXPERIENCE

Undergraduate Research Assistant

August 2023 – Present

Georgia Tech FinTech Lab | Python, NLP, Machine Learning, Gaussian Regression

Atlanta, GA

- Initiated a successful replication study on Bitcoin prices, validating models through probabilistic data analysis.
- Pioneered stock prediction model with BERT embeddings, to predict the S&P500 price-movements.
- Applied advanced LASSO regression to Kaggle auto dataset, yielding 90% accuracy in price prediction.

Data Science & Machine Learning Intern

May 2023 – August 2023

Go India Advisors | Python, Tensorflow, Selenium, Scapy, AWS, Atlassian Git, Docker

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 GPT API and LangChain, extracting insights from financial statements 45% faster.

Software Engineer Intern

June 2020 – June 2021

Naskraft IT Solutions | Java, JavaScript, Python, MSSQL, C++, CI/CD

MH, India

- Designed and deployed concurrent transaction database with encryption and backup data management.
- Enhanced internal testing tools with AWS automation, achieving 30% faster testing.
- Gained proficiency in database migration, version control, testing, and code standardization.

PROJECTS

Stock Sentinel | Python, FinBERT, SQLite, Docker, Git, Streamlit

- Implementation of a sentiment analysis employing FinBERT NLP LLM to predict market trends.
- Devised real-time news aggregation with parallel programming, achieving 80% faster article retrieval.
- Developed an algorithm for efficient market tracking by suggesting relevant stocks within the same sector.

Dungeon Crawler | Java, Android Studio, Firebase

- Spearheaded a 5-member development team showcasing innovation in design & 200+ player scores stored.
- Engineered seamless integration of user authentication & Firestore Realtime Databases for personalized gameplay.
- Amplified app efficiency by 25%, optimizing 35% of codebase and streamlining resource-intensive processes.

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.

TECHNICAL SKILLS

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

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

Developer Tools: Git, Docker, Google Cloud Platform, Microsoft Azure, AWS, VS Code, PyCharm, IntelliJ

Libraries: pandas, NumPy, Matplotlib, LangChain, BeautifulSoup, PyTorch, Tensorflow, NLTK, backtrader