Rishabh Mishra

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EDUCATION

Manav Rachna International School (MRIS), Noida *10th Grade* | Scored: **94.5%**

White Leaf Public School

12th Grade | Scored: **83%**

Vellore Institute of Technology (VIT), Chennai

Bachelor of Technology in AI & Robotics | **Current CGPA: 8.45**

SKILLS

Technical: SQL, Python, Django, React.js, HTML, C, C++, Java, Statistics, Data Visualization, Machine Learning, Deep learning, postgresSQL, Django, Typescript

EXPERIENCE

Numatix Solutions – *Internship*

Quant Finance Intern | *currently doing*

- Gained hands-on experience in quantitative finance, understanding financial models and algorithmic trading strategies.
- Learned how to interact with REST APIs for data retrieval and trade execution and worked with TWS (Trader Workstation) and IBKR API to automate trading workflows and backtest strategies.
- Collaborated directly with clients to design and develop custom trading bots, automating their trading strategies and improving execution efficiency.
- Built proprietary algorithmic trading bots to generate alpha for the company, leveraging statistical arbitrage, momentum strategies, and market-making techniques.

PROJECTS

TownHall - **A Twitter Clone**

- Developed a microblogging platform where users can post, edit, and delete their own tweets, attach images, and search for others' tweets.
- Implemented user authentication, tweet management, and search functionality using Django, HTML, CSS, and JavaScript.
- Utilized a SQL database to store user accounts, tweets, and media, ensuring efficient data retrieval and management.

Streamlining Incident Documentation in NOCs - **Hackathon Project**

- Built an AI-powered system to automate incident documentation, improving efficiency in NOCs.
- Implemented real-time monitoring, anomaly detection, and automated reports using Google's Gemini AI.
- Developed with Streamlit, SQLite, and Python, enabling report tracking, trust scoring, and AI-driven insights.

Capital Flow Web Scraper & Market Signal Bot

- Developed a web scraper to extract real-time capital flow data, including stock type, date, volume, and price.
- Built a filterable web dashboard for users to analyze data based on custom parameters.
- Integrated Discord Webhooks to send bullish/bearish market signals based on capital flow trends.

IBKR Options Trading Bot – **Numatix Internship**

- Developed for a Numatix client, this automated options trading bot calculates optimal strike prices based on a predefined strategy and executes trades via the IBKR API.
- The bot buys call and put options, monitors price movements, and executes trades when predefined conditions are met.
- Integrated Discord Webhooks to provide real-time market updates, trade execution details, and strategy performance insights.