Vivek Prakash Tripathi

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Education

Vellore Institute of Technology, Chennai, B.Tech in Computer Science Sept 2022 – July 2026
- CGPA: 8.01/10.0

Delhi Public School, Ranipur Passed out - 2022
- Class 12th : 86.2%
- Class 10th : 89.6%

Experience

Artificial Intelligence Intern, Cohyve (Remote) Aug 2025 – Present
- Assisted dev team to implement a custom moodboard generator on the website using diffusion models.

Data Science Intern, Insight Fusion Analytics – Mumbai, India (Remote) Feb 2025 – Jul 2025
- Worked on Time-Series Forecasting for Sales Data from 3 retail stores over a period of 5 years.
- Implemented a KPI based interface for a construction-based client to compare different designs on Streamlit.
- Several strategies based on clients given entry and exit conditions in various markets were backtested.
- Build a full-fledged Employee Management System on Google Sheets using AppScript automations.

Projects

Indian Stock Market Screener Based on Volume and Momentum Indicators 🐙 Stock Market Screener
- Developed an entire Indian Market Screener based on volume and momentum based indicator.
- Performed data analysis and backtested it for past 8 years data.
- Obtaining an overall CAGR of 24.8%

UFC Match Prediction Optimized with betting Odds 🐙 UFC Prediction
- Used 12 years past data, for model training, testing and validation.
- Optimized result using betting odds and created 10+ strategies for a profit of more than 5% per game.
- Perform, runs test, t test and consistency test to randomize and get accurate results.

Custom moodboard generator using diffusion model 🐙 Moodboard Generator
- Collected user data from the existing system variables and used them in placeholder for the prompts.
- Compared different models based on company guidelines and parameters for opting the best model.
- Generated two moodboards from the prompt and gave user choice for further customizability.

Technologies

Languages: Java, Python, C++, C, SQL (In order of proficiency).

Technologies: Git, Pandas, FastAPI, Docker, AWS (S3, EC2, SageMaker), AppScript

Coursework

Oracle Cloud Infrastructure 2025 Certified Data Science Professional 🔗

Other Relevant Info

Leetcode: 100+ questions

Codechef: 100+ questions.