Stavya Pandey

Manipal ✉ nhgstavya@gmail.com ☐ +918951067951 in/stavya-pandey-5791992ba github.com/stavy156

EDUCATION

Bachelor of Technology in Computer Science and Financial Technology | Manipal Institute of Technology | Manipal, Karnataka 2027 | 8.28 CGPA

12th PCMC | New Horizon Gurukul | Bangalore, Karnataka | 2023 | 94.8%

10th | New Horizon Gurukul | Bangalore, Karnataka | 2021 | 94.9%

CLUB EXPERIENCE

Management Committee | Finova | Manipal | November 2024 – Present
· Management committee member at the club finova in manipal in the domain of quantitative and algorithmic trading.
· Have collaborated in a team with my club members and built solutions to various problem statements in the domain.
· Taken interviews of multiple freshers in the college to recruit the working committee for the year 2025-26.

Operations Member | Manipal The Talk Network | Manipal | October 2024 – Present
· Am currently working in the club as a operations member in the domain: business development and public relations.
· Have helped organize the clubs online sales by identifying and suggest an SaaS platform through which we now operate.
· Working with my team in BDPR on the ideation for topics and timelines to ensure a smooth process for the upcoming year of operations.

PROJECTS

Building RestAPI using Spring Boot | Java, Spring boot, RestAPI, react.js, MySQL, Postman | January 2025 –February 2025
· Built a RESTful API using Spring Boot to handle user data and CRUD operations.
· Integrated MySQL using Spring Data JPA to store and retrieve user information efficiently.
· Used a UserService class to process business logic and interact with the database via `UserRepository`.
· Enabled seamless interaction between React frontend and Spring Boot backend through REST API calls.

Trading bot in the S&P500 index using python | Python hosted using quantconnect | December 2024 – January 2025
· Executed trades on the SPY ETF to strategically track and capitalize on S&P 500 index movements.
· Deployed a momentum-based strategy, initiating SPY purchases based on predefined entry conditions.
· The bot exits the trade if the price moves 10% up or down from the entry price.
· It simulates trading between 2020-2021 to analyze performance before live execution (backtesting).
· Uses QuantConnect to automate buy/sell orders based on defined rules with Interactive Brokers integration.

Stock Portfolio Manager | Java – Object Oriented Programming and FX | September 2024 – November 2024
· Engineered a stock portfolio management platform that uses JavaFX to depict user portfolio, showing them their return on investment compared to the market average.
· Allows the user to view their previous investments and keep a record of how they performed in the duration that they held them.
· Enabled users to conduct detailed performance comparisons and identify investment trends, resulting in a 40% improvement in decision-making efficiency.

Dino game simulator using Data Structures | C – Stack,Queue,Linked List, Trees and graphs | Link in github |
July 2024 – September 2024
· Added functionality including high scores and other various features using Stacks and queues.
· Implemented a user-friendly interface and optimized game performance using advanced data structures, resulting in a 40% decrease in load time and enhanced player engagement.
· The simulator also boosted performance efficiency by 35% and facilitated the addition of dynamic obstacles and levels.

SKILLS

Front End: React, NextJs, Nuxt, HTML, CSS, Tailwind.

Backend: MySQL, Apache Maven, Spring Boot framework, Node.

Data: Microsoft Sql Server, Postgres, Scikit-learn, Tensorflow, SSIS.

Languages: C, C++, Python, Java, Javascript.

Development Tools: Git, GitHub, Postman.