

Nishit Hingu

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Work Experience

Dolat Capital

Mumbai, India

Software Developer C++

Dec 2021 - current

- Engineered high-performance solutions for the Market Data Team. These solutions prioritized low-latency processing and efficient memory management to ensure real-time data processing and analysis in a critical business environment.
- Redesigned the Market Simulation module's architecture and trading logic, achieving a 17% improvement in simulation speed and enabling users to conduct more accurate strategy evaluations, leading to deeper insights into their trading effectiveness.
- Leveraged socket programming to build a robust data reception and storage module, eliminating data loss and enhancing data integrity and system reliability.
- Significantly improved the performance of NSE and BSE MarketDataAdapters by implementing multi-threading techniques. This resulted in a substantial 22% increase in data processing speed, enabling the adapters to handle high-volume market data feeds and eliminate downtime for over 300 servers..
- Mentored and trained junior team members, fostering knowledge transfer and team development.

AirBook

Mumbai, India

Software Engineering Intern

April 2021 - July 2021

- Developed essential APIs in flask to enhance the transmission of data from the backend to the frontend.
- Led the design, development, and implementation of the primary React frontend application. The application boasts a 80% user satisfaction rating and facilitates seamless data retrieval from the backend APIs in response to user queries.
- Enabled users to create and save custom dashboards tailored to their specific needs, leveraging the application's rich functionality.

Education

Mumbai University

Mumbai, India

Bachelors in Electronics Engineering

April 2018 - May 2022

Grade: 9.2 / 10

Maharashtra State board

Mumbai, India

Higer Secondary Certificate in Science

July 2016 - March 2018

Grade: 84.6%

Projects

Defender Game

Stack Used: Rust, Piston, Rand.

- Architected a game engine in Rust, utilizing object-oriented programming (OOP) concepts to create core functionalities such as player control, projectile mechanics, and an enemy wave spawner with escalating difficulty.
- Created a robust scoring module to track player high scores, enhancing user engagement and competition.

Financial Market Analysis Platform

Stack Used: React JS, Material UI, Python, Scikit Learn, PyTorch, Pandas.

- Implemented a machine learning model that utilizes time series analysis and sentiment analysis to predict stock values.
- Built a website aimed at assisting novice investors in their investment journey. The website includes interactive charts displaying predicted stock values and provides essential details pertaining to each specific stock.

Technical Skills

Languages C++, C, JavaScript, Rust, Bash, Python, HTML, CSS, SQL, Java.

Frameworks Pthreads, Intel TBB, zstd, React, Node.js, Material-UI.

Developer Tools GDB, AddressSanitizer, Git, GitHub, Figma, Google Cloud Platform, Firebase, Linux, AWS, VS Code, Netbeans, Eclipse, LaTeX.

Personal Information

Languages English, Hindi, Gujarati, Marathi.

Interests Music, Gaming, Cricket, Football, Reading.