

NIPUN TULSIAN

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Education

International Institute of Information Technology, Hyderabad

Bachelor of Computer Science Engineering (GPA: 9.00/10)

Sep. 2021 – Present

Hyderabad, India

J.H.Ambani Saraswati Vidya Mandir

Higher Secondary School (Percentage : 95.8) (centum in Mathematics and Science)

April 2007 – May 2021

Surat, Gujarat

Experience

Goldman Sachs

Summer Analyst , Equity Systematic Volatile Trading Strats

May 2024 – July 2024

Bangalore, India

- Analyzed Static Delta Hedging of Warrants Portfolio with index futures to quantify risk offset.
- Modularizing python application which manages the products in SVT universe and writing unittests for it.
- Developed Kafka listener to monitor Presto resource usage and enforce queuing policies for resource management.
- Calculated latency P&L for Turkey Stock Exchange products.

Neobase

Software Engineer Intern

August 2024 – Present

Hyderabad, India

- Implemented and optimized cryptocurrency trading strategies on exchanges, including back-testing and trade analysis.

Alphamu Software Technology

Software Engineer Intern

January 2023 – June 2023

Hyderabad, India

- Built an app that allows therapist and admin to register a student wherein a student can give multiple tests and then according to test generate an automatic report so that disorder can be identified at an early age and cured.

Non-Stationary Reinforcement Learning

BTP Student under Prof. Tejas Bodas

Jan 2024 – PRESENT

Hyderabad, India

- Research on non-stationary Reinforcement Learning algorithm that learn and adjust over time in changing dynamics.

Projects

Greddiiit | [GitHub](#) | *React, Node, Express, Mongo DB, Docker*

- Developed a Reddit-like social media platform using the MERN stack, implementing core features and utilizing Docker for efficient containerization.

Data Visualization on Indian Wilderness and Forestry | [GitHub](#) | [Link](#) | *D3.js, HTML, CSS, Javascript*

- Did extensive analysis on data related to Indian forest cover and wilderness and made a website depicting charts.

Super Stockist CLI | [GitHub](#) | *Python3, MySQL, pymysql*

- Developed an ERP system using Python and MySQL.
- Designed and implemented a normalized database with an ER model to ensure data integrity and reduce redundancy.

C-SHELL | [GitHub](#) | *C, Operating System Call, UNIX*

- Developed a Bash-like command interpreter in C, featuring comprehensive support for process management, piping, input/output redirection, and execution of both built-in and external system commands.

Call Options Selling | [GitHub](#) | *Python*

- Implemented reinforcement learning algorithms, including deep RL, policy gradient, and Monte Carlo methods, to determine optimal asset sell points in a simulated trading environment.

Technical Skills

Languages: Python, C, C++, HTML/CSS, JavaScript, React, Node, Express, SQL, MongoDB, Bootstrap

Technologies/Frameworks: Numpy, Pandas, D3.js, MATLAB, POSTMAN, scikit-learn, Arduino, Pytorch, TensorFlow, Kafka, Kubernetes, Presto

Awards / Extracurricular

Dean's List : Got awarded the academic honor for being in top 10% of batch

Sardar Patel Junior Award : Awarded by Gujarat Government for excellence in sports at National and InterNational Level

Gold - School Games Federation of India : First Place in National Skating Tournament conducted by Federation Of India

Silver - Khelo India National Games : Second in National Cycling Tournament organized by Sports Authority of India

KVPY Scholar : AIR-664

JEE : Bagged AIR - 828 in JEE Mains 2021 and AIR - 1150 in JEE Advanced