

DHRUV SINGHAL

Software Developer and Quant Enthusiast

+91-7494852408 dhruvsinghal1973@gmail.com Portfolio LinkedIn GitHub

Education

National Institute of Technology

Bachelor of Technology (CG 8.8)

Dec 2020 – Jun 2024

Kurukshetra, Haryana

Wisdom World School

AISSCE, 12th (93%)

Mar 2019 – Apr 2020

Kurukshetra, Haryana

Gita Niketan Awasiya Vidyalaya

AISSE, 10th (93.6%)

Mar 2017 – Apr 2018

Kurukshetra, Haryana

Work Experience

Meritech Solutions Pvt. Ltd.

Software Developer

Jan 2023 – Jun 2023

Mohali, Punjab

- Streamlit App: <https://stockapi.streamlit.app>
- Developed and executed HTTP requests, used Python to enhance the efficiency of data transmission.
- Explored data visualization libraries including Matplotlib, Seaborn, and Plotly; used to make interactive graphs.
- Developed a backend API for various projects that allowed searching tickers' KPIs easily.
- Resulted in a 30% reduction in data transfer time and significant cost savings for the company.

Projects

Ocean Garbage Trajectory Prediction | Python, REST APIs, Data Collection, Web Development

October 2023

- GitHub Repo: github.com/dhruvsinghal7494/Ocean-garbage-trajectory
- A real-time model for predicting garbage path in the ocean that is affected by wind and ocean current speeds and their direction at different latitudes and longitudes.
- Designed a website to showcase the project's findings and allow users to interact with the trajectory predictions.

Issue Tracker App | JavaScript, Next.js, MySQL, Google Cloud, Postman

December 2023

- Github Repo: github.com/dhruvsinghal7494/Issue-Tracker
- A web app built using Next.js, featuring functionalities for creating, assigning, and resolving bugs.
- Utilized Prisma for seamless MySQL database interactions and implemented RESTful API endpoints to enhance the Issue Tracker app's functionality and data management.

Youtube Summariser Chrome Extension | Python, Flask, JavaScript, HTML, CSS

June 2023

- Github Repo: github.com/dhruvsinghal/Youtube-Summariser
- A Chrome extension using youtube-transcript-api and transformers library to summarize YouTube videos in text format, with JSON file integration.

Compounding Calculator & Fundamental Analysis | Python, Plotly, Streamlit

February 2023

- GitHub Repo: github.com/dhruvsinghal7494/Fundamental-Analysis
- Computes the powerful effects of compound interest and empowers informed investment decisions by using data-driven insights to analyze valuable trends.

Skills

Programming Languages: C/C++, Python, Javascript

Other: Data Structures, Algorithms, Object Oriented Programming, HTML, CSS, NextJs, SQL, MongoDB, Git

Analytical Tools: Excel, Power BI, Tableau

Soft Skills: Problem-Solving, Teamwork, Concurrency, Decision Making, Resilience, Communication, Adaptability

Achievements

Harvard Conference HPAIR'24

2024

Harvard University

Zonal Mathematics Olympiad Winner

2016

IMO