

# Hrishabh Choudhary

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## WORK EXPERIENCE

### Appdynamics

Software Engineer

Bengaluru

Jul 2023 – Present

- Worked on **platform stability improvements** and re-architecture for the End User Monitoring (EUM) **SaaS** offering.
- Implemented Network Metrics & Snapshots features to display stats for API calls on one comprehensive dashboard for both EUM on-premise and SaaS offerings.
- Built a system for updating, persisting & publishing license for each event-type.
- Came up with a heuristic approach to validate Proguard Mapping Files based on premium customer's demand.
- Resolved, mitigated and set up alerts for production issues as part of **on-call** duty.

### BNY Mellon (remote)

Software Engineering Intern

Pune

May 2022 – Jul 2022

- Developed **Entitlement Management Application UI** for requesting, approving or rejecting Entitlements by employees.
- Designed different views for 3 different roles - General, Admin and Approver, showing the appropriate data and options.
- Worked hands-on with a front-end tech stack of HTML, SCSS & **Angular** and a back-end backed by Java & MongoDB.

### Stealth Hedge Fund Startup (remote)

Quantitative Development Intern

Hong Kong, Singapore, London

Dec 2021 – Feb 2022

- Developed and **back-tested** an automated trading bot from scratch using **Python** that trades on Cryptocurrency markets.
- Implemented loosely-coupled modules for fetching data from Exchange APIs, decision-making, plotting and trading.
- Utilized **Telegram API** to return plots of trades on-demand to demonstrate the investors the functioning of the bot.
- **Optimized runtime** of existing programs by **99%** by reducing computational complexity and using faster libraries.

## COMPETITIONS

- **Google Kick Start**: Secured Global Rank **130, 147 and 147** in Round E 2022, Round B 2022 and Round D 2021 respectively.
- **Codechef**: Achieved Global Rank **1 and 17** in May Lunchtime 2022 Division 3 and Starters 39 Division 2 respectively.
- **Codeforces**: Achieved Global Rank **339 and 534** in Round 816 (Div 2) and Round 704 (Div 2) respectively.
- **ICPC Amritapuri 2020-21**: Secured an **AIR of 266** in Preliminary Round and **AIR of 384** in Regional Round.
- **Meta Hacker Cup 2022**: Achieved a Global Rank of **684** in Round 3.

## PROJECTS

### Trading Channel Finder | Self Project

Dec 2021

- Created a **Python** program to fetch candlestick data from a Crypto exchange's API using the **requests** module.
- Designed a novel **algorithm to detect Parallel Trading Channels** and false breakouts in the charts and return plots.

### Cloud-Based Food Delivery Application | OpenSoft 2021-22

Feb 2022 – Apr 2022

- Worked on the Delivery module as a team to develop a Food Delivery Application based on **Microservices Architecture**
- Built the back-end APIs for the Delivery microservice using **Flask** framework, **SQLAlchemy** and PYMS
- **Containerized** the application using **Docker** for high availability & wrote Dockerfile for auto-deployment using Kubernetes

## EDUCATION

### IIT Kharagpur

Bachelor of Technology

Kharagpur

Jul 2019 – Apr 2023

Major in Instrumentation Engineering.

CGPA: **8.86/10.00**.

Was among the **top 5 percent** of the batch after the first year.

## SKILLS AND EXPERTISE

**Backend**: Java, Python, C++, DynamoDB.

**Libraries & Tools**: Kubernetes, Docker, AWS, TeamCity, Pandas, Numpy, Matplotlib, mpl-finance, Plotly, Git, Jupyter.