

MOHIT CHHAYA

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EDUCATION

University of Illinois - Urbana Champaign

Bachelor of Science Computer Science + Linguistics

Urbana, Illinois

May 2024

WORK EXPERIENCE

Fidelity Investments

Incoming Full Stack Engineering Intern

RTP, NC

Summer 2022

Addition

Technology Consultant

New York, NY

November 2021 - Present

- Wrote web scrapers to parse TikTok's ad library. Created a dataset of 500+ popular ads on the platform.
- Utilized Firestore and GCP Cloud Storage to store data, alongside Cloud Video Intelligence and Natural Language API's.
- Developed GPT-2 machine learning model to develop captions and other insights for ads.

University of Illinois - Urbana Champaign

Undergraduate Researcher

Urbana, IL

August 2021 - December 2021

- Created trading algorithms for leveraged ETF's and bonds using technical analysis and momentum based indicators.
- Utilized Python and Pandas to create backtesting data for various equities.
- Created a buy and hold, risk-parity automated strategy through brokerage API's that outperforms the Vanguard 500 index.

Mercury Signs Inc.

Project Manager

Apex, NC

July 2020 - July 2021

- Created a financial dashboard using REST API's, Selenium Web Scraping, Python, and Google Cloud Services to monitor on 1000+ cards.
- Automated customer pipeline to bring greater visibility to each customer using Google Cloud Functions, Cloud Pub/Sub, Gmail API, and Python. Automatically handled 1000+ customer interactions.

PROJECTS

NoTestNoProblem Python, HTML/CSS/JS, Django, Tensorflow

July 2020

<https://github.com/mrchhaya/NoTestNoProblem>

A platform for hospitals to test if a patient is COVID-19 positive or not. Created to address a shortage of COVID-19 tests. Utilized Convolutional Neural Network with Tensorflow and Keras to build the model. Connected the model to a website through Django. **Winner of FlareHacks 2020.**

Mercury Signs Customer Pipeline Python, Google Cloud Platform, Gmail API

2020

An integration pipeline between Mark My Words software and Trello, which utilized Google Cloud Functions and Cloud Pub/Sub. An estimated **1000+** projects were created using this pipeline. Improved customer acquisition by **~20%** and visibility by **~60%**.

NOAA Discord Bot Python, Docker, Selenium Web Scraper, REST API's

Jan 2021

<https://github.com/mrchhaya/noaaDiscordBot>

An interface to retrieve data from **20+** NOAA Buoy's in various water sources, through an automated web crawler. Shared with **2+** boating clubs in Virginia through Docker and Github. The information was displayed through a Discord bot utilizing the Discord.py Python wrapper. Estimated **20+** people affected.

CERTIFICATES

SAS Certified Base Programmer for SAS 9

SAS

2020

Natural Language Processing Specialization

DeepLearning.AI

2021

SKILLS

Languages: Python, C++, Java, HTML/CSS, Javascript, SAS, SQL

Tools: Node, Git, Google Cloud Platform, Django, RegEx, MongoDB, Docker, Flask