

> SUMMARY

I am a Computer Science Undergraduate with expertise in Python and Golang. I have experience building Backend Systems and ETL Pipelines.

> EMPLOYMENT

CREDIBLE INFORMATICS

Backend Developer

Remote
May 2023 to Current

- Developed Portfolio Pal, an advanced and user-friendly stock market application from start to finish, leveraging Python Scrapy for efficient data scraping and thorough data cleaning.
- Implemented ETL Pipelines to ensure seamless storage and organization of data collected from multiple sources.
- Designed and implemented an API using Python FastAPI to deliver personalized portfolio feedback using machine learning (using company quarterly results, announcements, etc.)
- Ensured high code quality and maintainability by following best practices, emphasizing modularity, clarity, and scalability.
- Deployed the application using Docker and conducted comprehensive testing, debugging, and integration to deliver a stable and high-performance stock market application.

THE ONE WORLD

Backend Developer

Remote
Apr. 2022 to Oct. 2022

- Conducted a seamless migration of the backend from AWS Amplify to FastAPI and PostgreSQL, improving application performance and scalability.
- Implemented JWT authentication and Google OAuth to bolster security and provide secure access control to the application.
- Streamlined administrative tasks by developing an automated PDF report generation feature for the Admin Panel using Python and pdfkit
- Implemented a PostgreSQL function utilizing the Haversine Formula to locate shops within a specified radius, enhancing the user experience.

> SKILLS

LANGUAGES	Python, Golang, JavaScript
FRAMEWORKS	Django, FastAPI, Express, Flask, Scrapy
LIBRARIES	Pandas, Scrapy, Scikit-learn, TensorFlow
DATABASES	PostgreSQL, MongoDB, SQLite, MySQL
DEVELOPER TOOLS	Git, Docker, Poetry, Vim, GoLand, golangci-lint
TESTING & PROFILING	Postman, Selenium, Locust, snakeviz, pytest

> PROJECTS

PORTFOLIO PAL | PYTHON, FASTAPI, SCRAPY, DOCKER, SQLITE

- An advanced and user-friendly stock market application, leveraging Scrapy for efficient data collection and thorough data cleaning.
- Drawing out conclusions from data to give personalized feedback on a user's investment portfolio through machine learning.
- Integrated error monitoring through Sentry to promptly detect and report any application failures.

CUCUMIA BACKEND | PYTHON, FASTAPI, POSTGRESQL

- Cucumia is an e-commerce grocery store designed to offer a seamless shopping experience for customers.
- The project backend infrastructure was made using Python, specifically the FastAPI framework along with the PostgreSQL database.
- Key features include user authentication, product listing, shopping cart management, and order processing.

STOCK TRACKER | JAVASCRIPT, SVELTE, TAILWIND, DAISYUI, CHARTJS

- The Stock Tracker Dashboard is a web application designed to provide users with real-time updates on stock prices and fluctuations.
- Users can easily access the latest information on stocks and visualize the changes in prices through intuitive graphs and charts.
- The dashboard offers a user-friendly interface, allowing users to track their favorite stocks and make informed investment decisions.

CORONAVIRUS BOT FOR WHATSAPP | PYTHON, PANDAS, MATPLOTLIB, TWILIO API

- Enabled users to request and receive the most recent graph for up-to-date coronavirus updates using the Twilio API.
- BeautifulSoup and Pandas were used to load coronavirus updates from the "Ministry of Health And Family Welfare" website.
- Implemented automatic graph generation using Matplotlib to visualize the data, saving it for future reference.

> EDUCATION

Amity University

B. Tech Computer Science and Engineering 2025

2021 to Current