ATHARVA KALE

aukale@umass.edu   github.com/atharvakale343/
(413) 512-9921   linkedin.com/in/atharva-u-kale/

EDUCATION

University of Massachusetts Amherst   Amherst, MA
College of Information and Computer Sciences   Expected Graduation: May 2025
Bachelor of Science in Computer Science
- Relevant Coursework: Introduction to Data Structures and Algorithms, Programming in C Practicum, Calculus II

Bishop Cottons Boys' School
High School   Jun 2017 – May 2021
- GPA: 4.0/4.0 – Percent Scale: 98.25%

Coursera: Google IT Automation Professional Certificate   May – Dec 2020
Foundations in Python | Interacting with Linux Terminals and Operating Systems | Git | Troubleshooting and Debugging Techniques

TECHNICAL SKILLS

Programming Languages: Python, Java, C, SQL (PostgreSQL, SQLite), No-SQL (Google Firebase)
Frameworks: Pandas, Matplotlib, Puppet, Django
Other Skills: Working with Git | Docker | Bash scripts | Secure Shell (SSH) | Office tools: PowerPoint/Slides, Excel

PROJECTS

Price-Based Stock Trading Model (Ongoing)   Mar 2021 – Present
- Designed a systematic investment platform for retails traders
- Assists them with tracking positions and placing orders based on our research models
- Implemented a financial data manager in Python using REST and PostgreSQL for quick data extraction and retrieval
- Assembling a pipeline of tasks including the use of Django for the Web API, a backtester for quantifying the performance of models, and portfolio management for each user, resulting in 25% YoY returns for US Equities

Zero: A startup to bring excess food from restaurants to charities   Mar 2020 – Jun 2020
- Coordinated with restaurants to transport excess food after a lunch service to nearby charities
- Built an application-based platform using Flutter
- Implemented user authentication using Firebase and location-based donation requests to post and claim food postings

EXPERIENCE

BUILD UMass   Sep 2021 – Present
Software and Business Developer (https://buildumass.com/)
- Initiated a project with a local union Massachusetts Lobstermen Association to help lobstermen sell direct-to-consumer
- Maintained a regular feedback loop to communicate requirements and expectations between the client and dev teams
- Designed and implemented a React Native solution to deploy an app to the Web, Android, and iOS platforms
- Building a backend web-admin page and database with MongoDB to assist the union in CRUD operations

FreshCICS   Sep 2021 – Present
Vice-Chair - Logistics Committee
- Led a committee of eight members to organize on-campus events such as study groups and conversations with faculty
- Impacted first-year students by providing them a multitude of resources such as career guides, research opportunities

INTERNATIONAL ACCOLADES

Dick Edwards Award for Excellent Leadership at Asia Regional Space Settlement Design Competition (https://arssdc.org/)   Jan 2020
- Organized by the National Space Society (NSS) and NASA
- Honored for leading a team of 50 for successfully producing a space settlement proposal