

Arth Patel

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EDUCATION

The University of Georgia

Bachelor of Computer Science

GPA: 3.6

Honors: Zell Miller Scholar, Dean's List

Athens, GA

May 2023

TECHNICAL SKILLS

Programming Languages: Java, Javascript, Python, Swift

Technologies and Frameworks: React.js, Docker, Pandas, Kubernetes, SwiftUI, MySQL, MongoDB, AWS

Tools: Git, GitHub, CSS, HTML, Android Studio, Xcode, Jira

EXPERIENCE

Salesloft – Atlanta, GA

SWE Internship

May 2022 – Aug 2022

- Collaborated alongside the data team to prepare their data lakes for usage by internal teams
- Implemented a monitoring system using Datadog and improved visibility on data lakes by 100%, allowing internal teams to more easily access and analyze the data
- Improved spark querying performance on data lakes hosted on GCS and AWS by leveraging the DeltaLake framework, resulting in a 30% decrease in query execution time
- Restructured the team's Kubernetes project set-up to improve usability and conciseness
- Addressed production bugs and improvements in running spark jobs using Datadog and Sumo Logic to monitor performance and using CI/CD pipelines for rapid iteration

INVOLVEMENT

Association for Computing Machinery - Athens, GA

Aug 2020 - Present

- Participate in general body meetings and events that facilitate discussions and knowledge sharing in computer science
- Attend presentations and workshops on various topics related to technology, including professional development and career readiness
- Collaborate with peers to discuss technical problems and strategies for solving them

UGAHacks 8 - Athens, GA

February 2023

- Led a team in the planning and development of a React.JS application that provides users insight about the current health of the market.
- Leveraged the Alpha Vantage API to extract pertinent market news and sentiment data across a range of stocks
- Utilized OpenAI's chat completion API to customize financial language model while limiting responses to finance-related questions
- Received positive feedback from judges for the project's technical complexity and user-friendly interface

PROJECTS

Trading Bot | Python

May 2022

- Developed a python program that engages with Binance.US to execute orders based on cryptocurrency's performance
- Created a feature that checks if the MCAD, Signal Line, and RSI are under a favorable performance for a cryptocurrency's 2-Hour timeframe and 4-Hour timeframe when executing an order
- Utilized Pandas to store historical data fetched from the Binance.US API and to compute technical indicators, including moving average convergence divergence and relative strength index

Event Reminder | Swift

September 2022

- Developed an iOS application that allows users to sync events from their Calendar application, and receive notifications displaying detailed location information and a real-time countdown timer for upcoming events, accessible from the Dynamic Island and lock-screen
- Implemented background tasks that update the live activity once the event starts and removes it upon event completion

Fytness | Swift | MongoDB

December 2023

- Designed and developed an iOS application that enables users to view health data, set fitness and dietetic goals, and track trends and progress
- Utilized HealthKit to provide users with a personalized experience by allowing reading from and writing to their Health application.
- Leveraged Realm by MongoDB to store and organize application data, providing seamless data syncing and querying performance