Adarsh Mohanraju

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EDUCATION

University of Virginia **Charlottesville, VA**

BS, Computer Science, Minor in Data Science *AUG 2021 – DEC 2024*

- **GPA**: 3.7, Dean's List
- **Coursework:** Algorithms, Data Structures, Computer Systems and Organization, Computer Architecture, Advanced Software Development, Cybersecurity, Machine Learning, Software Testing, Database Systems (Undergraduate Teaching Assistant)
- **Clubs:** HooHacks, Cracking the Interview, Data Science and Analytics Club, Indian Student Association, Intramural Soccer

TECHNICAL SKILLS

- **Languages/Frameworks**: Java, Python, HTML, CSS, Bootstrap, JavaScript, SQL, Django, React, Angular, Spring Boot, Next.js, TypeScript, R
- **Skills**: Git, Windows, Unix/Linux, Agile Development, Object-Oriented Programming, Data Structures, Algorithms, Data Modeling & Analysis, API Testing
- **Technologies:** AWS, Azure, Splunk, Postman, Insomnia, SQL Server, Apache Spark, Microsoft Power BI, RStudio

EXPERIENCE

Bank Of New York Mellon **Pittsburgh, PA**

Software Engineer Intern *JUN 2024 – PRESENT*

- Developed a microservice for fetching live API data for our SWIFT Microgateway App (MGW) and currently have it deployed on all four of the app's QA servers
- Integrated MGW monitoring onto BNY's Enterprise Financial Messaging (EFM) Dashboard using Angular and Spring Boot to provide critical information and analytics to developers and clients regarding server health, connectivity status, and application trace
- Deployed to production and currently in use by our Production Services and EFM team, streamlined the process of health-check monitoring for MGW by over 90%

Dewberry **Fairfax, VA**

Software Engineering and Data Science Intern *MAR 2023 – AUG 2023*

- Worked on various data engineering projects and utilized technologies such as Microsoft Fabric, Azure Synapse Analytics, and SQL Server, built dashboards using Power BI to summarize metrics as well as display predictive analytics
- Developed a machine learning model that predicts upcoming quarter audit scores for each BU, PM, and Region, model was used on over 25,000 individual data points covering 4 years' worth of corporate audit data, positively impacted stakeholder decision-making regarding whether BU, PM, Region fulfilled corporate standards for performance

Greenestep Technologies **Clifton, VA**

Software Developer Intern *JUN 2022 – AUG 2022*

- Worked with the R&D team to integrate Alexa with the customer portal so customers can reach tech support through the Alexa voice command, used AWS Lambda to help make these optimizations and integrations and coded in Python.
- Developed and deployed website for a new start-up branch for Greenestep called Affirms Inc which specializes in outsourced business solutions for various business processes such as accounting, taxes, inventory, and billing. (website link: https://affirmsinc.com)

PROJECTS

Raju Properties App *NOV 2023 - PRESENT*

- Currently working towards developing a web application for residents that would be interested in receiving tours or filling out an application for our rental properties across the US and India, planning to also developing applications for tenant and landlord usage
- Utilizing React, Tailwind CSS, and TypeScript for front-end development and integrating website with AirTable API for storing customer data on the back-end

Schedule Advisor App *FEB 2023 - PRESENT*

- Developed a web application for UVA students that automated the advising process by allowing students to browse through courses for the upcoming semester, create a schedule, and send it to their advisor where they can approve or reject
- Used HTML, CSS, JavaScript for the front end, Django/Python with PostgreSQL database for the back end of application, integrated app with Google Login and UVA SIS API, deployed with Heroku

Fake News Identifier MAR 2022 - PRESENT

- Developed a web scraper in Python that was able to extract data from the top websites that popped up on Google from entering a news event
- Trained a model that conducted sentiment analysis on each of the extracted data from websites and then returned the accuracy of each of the articles from a scale of 0 to 1 with 1 being the most accurate.