Adarsh Mohanraju

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Education

University of Virginia **Aug 2021 – Dec 2024**
BS, Computer Science, Minor in Data Science
GPA: 3.7, Dean's List
Coursework: Algorithms, Data Structures, Computer Architecture, Cybersecurity, Machine Learning, Software Testing, Database Systems(Undergraduate TA)
Clubs: Hoohacks, Cracking the Interview, Data Science and Analytics Club, Indian Student Association, Intramural Soccer

Technical Skills

Languages/Frameworks: Java, Python, Go, C, HTML, CSS, Javascript, React, SQL
Technologies: AWS, Azure, Git, Windows, Unix/Linux, Docker, Observe, Postman, Insomnia, pgAdmin, SQL Server, Snowflake

Experience

Capital One **Feb 2025– Present**
Associate Software Engineer
- Currently working on integrating snowflake with Capital One Databolt, a commercial tokenization product designed to help businesses protect and secure their sensitive data
- Delivered critical impacts to our current data catalog experience in production by reducing snowflake activity page data latency from 45 minutes to 30 seconds and optimizing our in-place tokenization process which helped us save $3000 per month in snowflake resource usage
- Drove core features of the Catalog Redesign initiative, owning the full development of the left navigation and right-hand search experience along with the pagination functionality
- Led automated testing efforts with component and live dependency tests for the Catalog Redesign and currently serve as the primary SME for the team in Playwright

BNY **Jun 2024– Aug 2024**
Software Engineer Intern
- Integrated SWIFT Microgateway monitoring onto BNY's Enterprise Financial Messaging(EFM) Dashboard using Angular and Spring Boot which was able to provide critical analytics to developers and clients regarding server health, connectivity status, and application trace history
- Deployed to production and currently in use by our Production Services and EFM team, streamlined the process of health check monitoring for MGW by 90%

Dewberry **Mar 2023– Aug 2023**
Software Engineering and Data Science Intern
- Developed a machine learning model that predicts upcoming quarter audit scores for each BU, PM, and Region, model was used on over 25,000 data points covering 4 years' worth of corporate audit data, used by company stakeholders when evaluating whether performance will fulfill corporate standards
- Worked on various data engineering projects and built dashboards using Power BI for several company departments to display performance metrics

Greenestep Technologies **Jun 2022– Aug 2022**
Software Engineer Intern
- Worked with the R&D team to integrate Alexa with the customer portal so customers can reach tech support through Alexa voice command, developed these enhancements in AWS Lambda using Python
- Developed and deployed website for a new start-up branch for Greenestep called Affirms Inc which specializes in outsourced business solutions for accounting, taxes, inventory, and billing (website link: https://affirmsinc.com/

Projects

Raju Properties App
- Built a web application for residents that would be interested in receiving tours or filling out a rental application for our properties across the US and India
- Utilized React/Typescript and Tailwind CSS for front-end and Airtable for storing customer data on backend

Schedule Advisor App
- Developed application that automated the advising process for UVA students through allowing them to browse through courses for the upcoming semester, create a schedule, and submit it directly to advisor where they can approve or reject
- Used HTML, CSS, and JavaScript for the front-end, Django/Python with PostgreSQL DB the back-end, was able to integrate app with Google Login and UVA SIS API