

Adarsh Mohanraju

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EDUCATION

University of Virginia

BS, Computer Science, Minor in Data Science

Charlottesville, VA

AUG 2021 – DEC 2024

- **GPA:** 3.7, Dean's List
- **Coursework:** Algorithms, Data Structures, Computer Systems and Organization, Computer Architecture, Discrete Mathematics, Software Development Essentials, Theory of Computation, Advanced Software Development, Cybersecurity, Machine Learning, Software Testing, Intro to Data Science with R, and Data Science Systems
- **Clubs:** HooHacks, Cracking the Interview, Data Science and Analytics Club, Indian Student Association, Intramural Soccer

TECHNICAL SKILLS

- **Languages/Frameworks:** Java, Python, C, HTML, CSS, JavaScript, Node, Express, SQL, Django, React, Next.js, TypeScript, GraphQL, MongoDB, R
- **Skills:** Git, Windows, Unix/Linux, Agile Development, Object-Oriented Programming, Data Structures, Algorithms, Data Modeling & Analysis, Full-Stack Development
- **Technologies:** Microsoft SQL Server Management Studio, Azure Synapse Analytics, Azure Databricks, Azure Devops, Apache Spark, Microsoft Fabric, VSCode, IntelliJ, Eclipse, Microsoft Power BI, RStudio

WORK EXPERIENCE

Dewberry

Software Engineering and Data Science Intern

Fairfax, VA

MAR 2023 – AUG 2023

- Automated the deployment pipeline process for all company BI applications through using the Power BI REST API and integration with Git and Azure Devops
- Developed a machine learning model that predicts upcoming quarter audit scores for each BU, PM, and Region and makes decisions based on current audit data on whether the BU/PM/Region meets corporate standards, model was used on over 25,000 individual data points covering 4 years' worth of corporate audit data
- Implemented my own data lake with Microsoft Fabric and utilized python, spark, and sql for various data engineering projects, developed several data visualization dashboards using Power BI to summarize metrics as well as display predictive analytics

Greenestep Technologies

Software Developer Intern

Clifton, VA

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.
- Utilized HTML, CSS, Bootstrap, and Javascript for frontend development, Express for backend, and Firebase to deploy website

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 to browse courses, add them to shopping cart, create a schedule, and send it to their advisor for approval, makes it more convenient and straightforward for advisors instead of having to meet with each individual student (app link: <https://b-13-project-herokuapp.com/>, ignore security warning)
- 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

Affirms Inc - Startup Website

JUN 2022 - PRESENT

- Developed the preliminary website for a startup child company of Greenestep called Affirms Inc using JavaScript, Express, and Firebase for the deployment of web application (website link: <https://affirmsinc.com>)
- Integrated website with MailChimp API to have access to all users that submitted a form of interest regarding products

Fake News Identifier

MAR 2022 – APR 2022

- 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 (project link: <https://devpost.com/software/fakesnake>)
- 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