

Adarsh Mohanraju

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GitHub Portfolio: <https://github.com/amohanraju/projects> |

PROFESSIONAL SUMMARY

Computer Science student at the University of Virginia. Interested in any opportunities in Software Engineering and Development. Have gained hands-on experience with software development and data science. Experienced in various languages from both the front-end and back-end and knowledge of fundamental programming languages such as Java, Python, and C. I am a keen problem-solver and aspiring innovator who is looking for internship opportunities in IT/Tech Development & would love to contribute from my experience.

EDUCATION

BS, Computer Science, Minor in Data Science, University of Virginia, GPA: 3.7

MAY 2025

Coursework: Algorithms, Data Structures, Computer Architecture, Discrete Mathematics, Software Development Essentials, Advanced Software Development, Cybersecurity, Machine Learning, Software Testing

Clubs: HooHacks, Cracking the Interview, Data Science and Analytics Club, Indian Student Association, Intramural Soccer, Intramural Flag Football

TECHNICAL SKILLS

Programming Languages: Java, Python, C, HTML, CSS, Bootstrap, JavaScript, jQuery, Node, Angular, Express, SQL, Django, React, GraphQL

Skills: Git, Windows, 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

WORK EXPERIENCE

Software Engineering and Data Science Intern, Dewberry

MAR 2023 – PRESENT

- Automated the deployment pipeline process for all company BI applications through using the Power BI REST API and integration with Git and Azure Devops
- Implemented my own data lake with Microsoft Fabric and optimized company data using python, spark, and sql for various data engineering projects
- Developed a machine learning model that predicts upcoming quarter scoring for audits within each BU, PM, and Region and makes decisions based on current audit data on whether the BU/PM/Region meets corporate standards

Software Developer Intern, Greenestep Technologies

JUN 2022 – AUG 2022

- Worked with the R&D team on integrating Alexa with the customer portal so customers can reach tech support through 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.
- Used plethora of languages and frameworks including HTML, CSS, Bootstrap, Javascript, Express, and Firebase to build website

PROJECTS

Schedule Advisor App (website link: <https://b-13-project.herokuapp.com/>, ignore security warning)

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
- Used HTML, CSS, JavaScript for the front end, Django/Python with PostgreSQL database for the back end of application, and Heroku to deploy

Startup Website - Affirms Inc (website link: <https://affirmsinc.com/>).

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.
- Integrated website with MailChimp API to have access to all users that submitted a form of interest regarding products

Fake News Identifier(<https://devpost.com/software/fakesnake>)

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.