Aditya Sri Inukonda

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OBJECTIVE

George Mason senior graduate with a strong passion for Computer Science and proficiency in multiple programming languages. I enjoy coding and have a keen interest in computer vision, ML, and AI planning and optimization. Seeking internship or full-time tech job opportunities.

EDUCATION

George Mason University, *Fairfax, VA* (GPA: 3.5)

Bachelor of Science in Computer Science   August 2021 – May 2024

- Courses: CS211 (Object Oriented Programming), CS310 (Data Structures), CS262 (Intro Low-level Programming), CS306 (Ethics and Law) CS367 (Computer Systems and Programming), CS330 (Formal Methods and Models), CS471 (Operating Systems), CS450 (Databases), CS483 (Analysis of Algorithms), CS468 (Secure Programming), CS463 (Comparative Languages), CS321(Software Engineering)

John Champe High School, *Aldie, VA* (GPA: 4.35)   August 2017 – May 2021

- Courses: AP Statistics, AP Biology, AP Economics, Intro to Cybersecurity, Computer Information Systems
- Activities: Educators Rising, NHS, NSHS

SKILLS

- **Programming Languages:** Java, Python, C, JS, JavaFX, SQL, React, C#, MATLAB, MongoDB, Docker, Express.js, Node.js, HTML, CSS,
- **Development Tools:** Android Studio, Git, Unity, AWS
- **Foreign Languages:** French (Fluent), Telugu (Fluent)

EXPERIENCE

Computer Science Undergraduate Teaching Assistant, *Fairfax, VA*   January 2024 – Present

- Provided grading, and class session support for **100+ students**, focusing on Computing Ethics and Law.

Refraction Intern, *McLean, VA*   June 2022 – July 2022

- Coordinated Zoom meetings for Smart City Challenge
- Company based on a technology innovation hub in Northern Virginia.
- Assisted in website development and content uploads across various social media platforms.

PROJECTS

User Authentication for Backend Server   Spring 2024

- Developed backend server using **Node.js and Express.js**.
- Implemented user authentication functionalities including login, signup, and logout.
- Utilized **MongoDB** to store user data securely and **hosted** on **AWS**.
- Employed **bcrypt encryption** to secure user passwords.

Swipenvest   Spring 2023

- Designed and implemented an application using Android Studio based on credit score and personal data.
- Hackathon Project with **API implementation**.
- https://github.com/VTHacks_2

Task Manager Interface   Spring 2023

- Designed and implemented a **shell interface** for task management, facilitating user interaction and task execution.
- Developed a task list management system to organize and track user-defined tasks.
- Enabled users to input and execute programs, with options for foreground (wait for task completion) and background **(concurrent task execution)** execution.
- Provided additional functionality, including input/output redirection to and from files, as well as task pipelining.

CPU Scheduler   Fall 2023

- Developed and completed functions for the TRILBY-VM OP Scheduler, a virtual machine used for **interlacing Linux programs with custom execution techniques** using C programming.
- Primary goal was to enable manual scheduling of processes for testing complex interactions between programs and implementing custom priority orderings.

CERTIFICATIONS/AWARDS

- *Google Cloud Training:* Introduction to Generative AI
- *Amazon Web Services:* Introduction to Machine Learning
- Microsoft Office Specialist 2016 (Word, PowerPoint, Excel)
- Dean's List (2021-2023)