

## Varshini Shreya Appulla Magesh

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I am a motivated Computer Science student seeking internship and full-time opportunities in software development, game development, AI, and data analysis. Eager to contribute my skills in Python, Java, and C, I am passionate about building agile software solutions, developing engaging applications, and exploring AI-driven innovations. With hands-on experience in project-based teamwork and problem-solving, I'm excited to apply my knowledge to real-world challenges. I am adaptable, collaborative, and open to relocation for the right career opportunity, aiming to grow my expertise while making a meaningful impact.

### EDUCATION

**George Mason University, Fairfax, VA** August 2021- May 2025

Bachelor of Science Degree | GPA – 3.57 | Major: Computer Science

### LEADERSHIP EXPERIENCE

**Engineers for International Development GMU, Fairfax, VA** October 2022 – May 2023

#### Treasurer

Oversaw financial planning by creating and managing budgets for events and international service projects, ensuring optimal fund allocation to meet organizational goals. Collaborated with team members to organize successful fundraising campaigns, analyzing financial data to maximize contributions and resource utilization. Leveraged problem-solving and project management skills to streamline financial operations, improve tracking processes, and support both local and global community initiatives.

**Taraas at Mason GMU, Fairfax, VA** August 2024 – May 2025

#### Vice-President

Supported team operations by organizing tryouts, coordinating photoshoots, and planning performances. Managed budgeting for activities and collaborated with the leadership team to streamline communication and ensure efficient event execution. Fostered a culture of accountability and inclusivity by promoting open dialogue and encouraging active participation among team members. Applied organizational and problem-solving skills to resolve logistical challenges and improve overall team performance.

### Projects

#### Shell Project (CS 262, CS 367, CS471):

Developed a custom Unix-like shell in C, supporting key functionalities such as command execution, history management, and directory navigation. Leveraged data structures like linked lists to efficiently track and manage command history. Gained in-depth experience with system calls (e.g., fork(), exec(), wait()) and process control, while enhancing understanding of memory management, file systems, and concurrency in a real-world operating environment.

#### Memori App – Personal Journaling and Scrapbook (React Native)

Developed a personal journaling app using React Native, incorporating Agile methodology and sprint-based development to manage the project lifecycle. The app enables users to write and securely save password-protected entries. Integrated a digital scrapbook feature that allows users to post, like, and comment on photos, enhancing user engagement. Implemented robust user authentication and secure data storage to ensure privacy and security. Improved skills in mobile app development, state management, user interface design, and collaborative project management using Agile practices.

#### TheFrost Website

*Developed for a home baking business using HTML, CSS, and JavaScript.*

Created a fully functional, responsive website for a small home baking business, featuring dynamic slideshows, interactive menu cards, and a shopping cart system. Implemented front-end designs and user experience enhancements to ensure a seamless interface across devices, while handling product listings, dropdowns, and custom animations.

### Certifications

- **Intro to Web Development Course**
  - Issued by: CODEPATH
  - Date: November, 2023
  - Link to Certification: [https://drive.google.com/file/d/1JW\\_uAROLt0x6QgSfKirkL0zO6e\\_aMw\\_/view?usp=sharing](https://drive.google.com/file/d/1JW_uAROLt0x6QgSfKirkL0zO6e_aMw_/view?usp=sharing)
- **Intro to Android Development Course**
  - Issued by: CODEPATH
  - Date: November, 2023
  - Link to Certification: <https://drive.google.com/file/d/1H94pZ9wkHw-hQdiRqb2IFsisIGx0b4Br/view>

### SKILLS & INTERESTS

Coursework: Data structures (Java), Computer Systems and Programming(C), Introduction to computer programming (Python), Software Engineering, Operating Systems, Formal Methods and Models.

Programming Languages: Proficient in Java, C, HTML, Java Script, CSS, React Native and Python.

Applications: Proficient in Microsoft Office (Word, Excel, PowerPoint, and Adobe Photoshop), Replit, Visual Studio Code, Eclipse, Android Studio.

Digital Marketing: Proficient in Facebook, Instagram, YouTube, and LinkedIn

Languages: Fluent in English, Tamil, Telugu and Hindi.

Interests: Gaming, dance, Learning programming languages, Machine Learning, SQL.