

Mayitreya Pasumarthy
University of Maryland, College Park

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Professional Goal

I am an undergraduate Computer Science student with a strong interest in building a career in this dynamic field. I have hands-on experience in software development with a focus on backend, machine learning, and web development. Proficient in programming languages such as Java, C++, and Python.

Education

University of Maryland, College Park

College Park, MD, USA

Major in Computer Science, Minor in Mathematics

Expected Graduation: May 2026

Major Related Courses

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|---------------------------------------|----------------------------------|
| Object-Oriented Programming II | Introduction to Computer Systems |
| Organization of Programming Languages | Algorithms |
| Advanced Data Structures | Introduction to Compilers |

Experience

- **Programming Languages:** C++, Java, Python, JavaScript, HTML, CSS
 - **Atop Log Parser and Visualizer (Huntington Ingalls Industries):** Developed a C++ program to analyze mission log files and used d3.js for interactive visualizations on a frontend built with HTML, CSS, and JavaScript.
 - **Online Test Manager (UMD):** Implemented a data manager program in Java for an online test system, handling various question types and providing grading and statistical analysis.
- **Tools:** Git, ClearCase, Jira, Microsoft Office Suite
 - **Atop Log Parser and Visualizer (Huntington Ingalls Industries):** Used Jira for task management and version control with ClearCase to track progress, as well as Microsoft PowerPoint to present our progress regularly.
 - **AI-based Image Recognition Program (Qure.AI):** Used Git for proper version control, as well as Microsoft Powerpoint to present my final product to my mentor.
- **Soft Skills:** Communication, Leadership, Problem-Solving
 - **Atop Log Parser and Visualizer (Huntington Ingalls Industries):** Collaborated effectively with a team and made executive creative decisions on the features included in the application. Came up with solutions to major roadblocks along the way by consulting with mentors, supervisors, and other developers.
 - **AI-based Image Recognition Program (Qure.AI):** Communicated with my mentor regularly for assistance on any issue that may have come up during development. Made all creative decisions for how the project would be presented and used.

References

Available upon request.