Mayitreya Pasumarthy
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Professional Goal

I am an undergraduate Computer Science student with a strong interest in building a career in Software Engineering. I have hands-on experience in software development, focusing on machine learning and backend development in Java, C++, and Python, as well as web development with JavaScript. I am passionate about improving and innovating communication worldwide through the opportunity presented by Grammarly's Software Engineering internship program.

Education

University of Maryland, College Park — *College Park, MD, USA*
Major in Computer Science, Minor in Mathematics — *Expected Graduation: May 2026*

Major Related Courses

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

Experience

- **Atop Log Parser and Visualizer**
  Huntington Ingalls Industries - Mission Technologies Division
  - **Programming Languages:** `C++, Java, JavaScript, TypeScript, Python`
  - **Frameworks Used:** d3.js, MatPlotLib, AG Grid, ClearCase, Jira
  - **Other Skills:**
    * Creating well-organized presentations with Microsoft PowerPoint
    * Communicating with mentors and team-members for assistance and guidance
  - **Description:** Developed an internal tool in C++, Java, and Python to analyze mission log files, and created interactive visualizations for those log files. Collaborated and led a team of people and made executive creative decisions. Overcame roadblocks by consulting with mentors.

- **Online Test Manager**
  University of Maryland, College Park
  - **Programming Languages:** `Java`
  - **Frameworks Used:** JUnit, JavaFX
  - **Other Skills:**
    * Data management with Java data structures
    * Consulting with potential users on how to make the software as intuitive as possible
  - **Description:** Implemented a data manager program in Java of a theoretical online test system, which allows for the definition of exams with different types of questions.

- **AI-based Image Recognition Program**
  Qure.AI
  - **Programming Languages:** `Python, C++`
  - **Frameworks Used:** Git, PyTorch, NumPy
  - **Other Skills:**
    * Surveying real doctors for ethical guidance
    * Microsoft PowerPoint for effective presentations to the team and potential users
  - **Description:** Developed an AI-based image recognition program to gauge COVID-19's impact on the lungs. Achieved a 98% detection accuracy rate. Created presentations to show mentors my progress.