Nipun Maisheri

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EDUCATION

University of Maryland   **Expected May 2028**
B.S, Computer Engineering   *College Park, MD*
- *Data Science and Math Minor*

Montgomery College   **May 2024**
AAS, Cloud Computing and Networking Technology   *Germanton, MD*
- *GPA: 3.8 Dean's List*

EXPERIENCE

Sparksoft Corporation   **June 2025 – August 2025**
Software Engineering Intern   *Columbia, MD*
- Designed and implemented a high-performance test automation dashboard capable of processing 10,000+ test cases with real-time status visualization.
- Developed a modular Pytest framework with intelligent test randomization, marker-based filtering, and dynamic execution timing to enhance test flexibility.
- Led a full codebase reorganization focused on modularity and long-term maintainability, significantly improving scalability and developer productivity

University of Maryland School of Public Health   **Feb 2025 – Present**
Student IT Worker   *College Park, MD*
- Set up and trouble shoot AV and IT support for classes and in-house events, and handling tickets via Jira
- Assist professors, guests, and department heads with resolving computer issues efficiently and effectively.
- Set up, maintain, and test audiovisual and IT systems for classes, seminars, and live events

PROJECTS

Autonomous Obstacle-Traversing Vehicle   **Feb 2025 – May 2025**
- Co-Lead a team of 8 to design and build a self-navigating vehicle using Autodesk and 3D Print for mechanical design, and Arduino microcontrollers and solder equipment for electrical systems
- Integrated sensors, dual motors, and servo arm with custom C++ firmware.
- Presented final system and design tradeoffs in a 15-minute technical showcase to an audience of over 200

Test Execution Monitor   **Feb 2025 – March 2025**
- Developed a real-time pytest automation dashboard using Python, HTML, CSS, and JavaScript to monitor 10,000+ test executions with live status updates and marker-based filtering
- Implemented interactive error visualization, responsive UI design, and modular code architecture with separated CSS/JavaScript files for enhanced maintainability and scalability.

CERTIFICATIONS AND SKILLS

CompTIA A+, Testout Network Pro, TestOut PC Pro, Cloud Computing and System Administration Cert.

Skills: Java, C++, Python, Cloud Computing, AWS, Azure, Testing