Nipun Maisheri

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EDUCATION

University of Maryland — **Expected May 2028**
B.S, Computer Engineering — *College Park, MD*
- *Data Science Minor* — *GPA; 3.4*

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

EXPERIENCE

University of Maryland School of Public Health — **Feb 2025 – Present**
Student IT Worker — *College Park, MD*
- Provided technical assistance to faculty and guests, managing and resolving IT and AV support tickets through Jira and Confluence.
- Maintained and tested complex audiovisual and IT systems for classes, seminars, and live events.
- Resolved an average o 15 technical support tickets weekly, consistently closing 90% of issues within 24 hours to minimize disruption for academic staff

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 using Python and Pytest framework
- Developed a modular Pytest framework with intelligent test randomization, marker-based filtering, and dynamic execution timing to enhance test flexibility
- Redesigned the database architecture for over 7 million records, optimizing client and claim data access to reduce average query times by 53% (from 15s to 7s)

PROJECTS

Smart Clipboard Manager — **May 2025 – Present**
- Developed an intelligent clipboard manager for Mac using Swift and SwiftUI, integrating an LLM-based backend to deliver AI-driven features such as text summarization, key information extraction, and image-to-text conversion (OCR)
- Designed to boost productivity by providing quick access to a history of copied content and intelligent insights from that content.

Test Execution Monitor — **Feb 2025 – March 2025**
- Developed and engineered a full-stack, real-time Pytest automation dashboard with Python, HTML, CSS, JavaScript, and React to monitor 10,000+ test executions.
- Implemented interactive error visualization, responsive UI design, and modular code architecture with separated CSS/JavaScript files for enhanced maintainability and scalability.

CERTIFICATIONS AND SKILLS

Certifications: CompTIA A+, Testout Network Pro, TestOut PC Pro

Skills: Java, Python, HTML, CSS, JavaScript, Cloud Computing, AWS, Azure, Testing