# Nipun Maisheri

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## EDUCATION

**University of Maryland**                                        **Expected May 2028**
*B.S, Computer Engineering*                                       *College Park, MD*

- *Data Science Minor*
- *Relevant Coursework: Object Oriented Programming 1 & 2, Digital Logic Design, Discrete Mathematics, Computer Systems, Linear Algebra, Data Structures and Algorithms*

**Montgomery College**                                           **May 2024**
*A.S, Cloud Computing and Networking Technology*                 *Germanton, MD*

- *Dean's List*                                                  *GPA: 3.8*
- *Relevant Coursework: Network Security, Network &Cloud Forensics, Cloud Administration, Network & Cloud Infrastructure, Network Virtualization*

## 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*

- Engineered high-performance test automation solutions capable of processing 10,000+ test cases with real-time status visualization, directly supporting the development of advanced test station tools
- Developed a modular Python framework featuring intelligent randomization and dynamic execution timing to enhance operational efficiency and test flexibility
- Optimized database architecture using SQL fundamentals for over 7 million records, reducing average client and claim data query times by 53% to improve system responsiveness.

## PROJECTS

**Smart Clipboard Manager**                                      **May 2025 – Present**

- Designed and built a native Mac application using Swift and SwiftUI, handling the full lifecycle from UI design to backend logic
- Integrated an LLM-based backend to engineer features like text summarization and semantic analysis, demonstrating practical application of Generative AI
- Built image-to-text conversion capabilities to enhance user productivity and accessibility

**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.
- Designed an intuitive user interface (UI) to help users quickly identify errors and system status

## CERTIFICATIONS AND SKILLS

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

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