

# ATYANTA RUPAKHETI

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## EDUCATION

### George Mason University | Fairfax, VA

2021 — 2025

*Bachelor of Science in Computer Science* | GPA: 3.85

- **Awards/Honors:** Dean's List (5x), Mason Idea Scholarship.
- **Relevant Coursework:** Operating Systems, Data Structures, Algorithms, OOP, Advanced C Programming, Network Security, Software Engineering, Statistics, Technical Writing, Discrete Mathematics, Linear Algebra, Calculus I-III
- **Clubs:** Mason Competitive Cyber, Computer Science Club, Patriot Hackers, Break Through Tech (BTT)

## EXPERIENCE

### Project Lead for Habit Hub | GMU | Fairfax, VA

Jan 2024 — May 2024

- Led development of 'Habit Hub', boosting user productivity by 30% within the first three months of release.
- Implemented Scrum and Git, streamlining collaboration and reducing development time by 25%.
- Fostered trust and motivated team members through regular feedback and recognition, ensuring project alignment with user needs and standards, resulting in a 30% improvement in delivery.

### Cybersecurity Team Member | GMU | Fairfax, VA

Aug 2023 — Mar 2024

- Delivered tech talks and presentations on topics such as network security and ethical hacking, enhancing my cybersecurity skills and industry knowledge.
- Excelled in cybersecurity competitions, such as CTF, sharpening skills in vulnerability assessment and threat mitigation.
- Collaborated on high-stakes projects, successfully resolving real-time cybersecurity challenges, strengthening team synergy and problem-solving abilities.
- Contributed to open-source cybersecurity tools, enhancing practical skills and gaining exposure to real-world applications in security.

## PROJECTS

### Habit Hub | Java, HTML, CSS

Jan 2024 — May 2024

- Directed a three-member team to develop 'Habit Hub', a productivity app that gained 100+ users within three months, boosting overall user productivity by 30%.
- Integrated key features that increased habit adherence by 25%.
- Streamlined the development process using Scrum and GitHub, ensuring consistent and efficient cross-platform development.

### HAKE CPU Scheduler | C

Feb 2024 — Apr 2024

- Engineered a CPU scheduler for TRILBY VM, optimizing process management.
- Reduced process waiting time by 33% through advanced queue management and memory optimization.
- Ensured compatibility via comprehensive testing and design refinements.

### Algorithm Visualization Project | Java, JUNG

Aug 2023 — Nov 2023

- Successfully Developed a JUNG-based tool visualizing algorithms like Dijkstra's and Kruskal's, used by 30+ students.
- Boosted engagement by 25% with interactive features, facilitating a deeper understanding of algorithmic processes.

## SKILLS

- **Programming Languages:** Python, Java, C, C++, HTML, CSS, JavaScript, SQL, R
- **Frameworks & Libraries:** React, Angular, Bootstrap, Flask
- **Tools & Tech:** Git, GitHub, MySQL, AWS, APIs, Linux, Windows, macOS, JIRA, VSCode
- **Other Skills:** Agile (Scrum), Project Leadership, Cybersecurity, Ethical Hacking, GUI Development