

# Nafis Ahmed

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## EDUCATION

**Vanderbilt University** GPA: 3.8/4.0  
Major: Computer Engineering (B.E. Honors Program), Minor: Economics Graduation: May 2022

**Technical Skills:** C/C++, Java, Python, SQL, MATLAB, JavaScript, Linux, Git, Figma, Azure DevOps

**Selected Coursework:** Data Structures, Operating Systems, Mobile & Wireless Networks, Computer Vision, Web-based System Architecture, Technology Strategy, Econometrics, Program and Project Management

## PROFESSIONAL EXPERIENCE

**Microsoft Security** Redmond, WA  
*Product Manager, Foundational Identity & Access Management* July 2022 – March 2023

- Introduced OAuth 2.0 & OIDC-based AuthN/AuthZ for all foundational Azure internal services.
- Spearheaded data-driven prioritization based on customer feedback and reset team strategy to drive cross-team effort to migrate 15+ internal customers from using outdated protocols and platforms.
- Captured end-to-end customer scenarios and delivered features to guarantee business continuity for customers migrating to industry standard protocols for better security, resiliency, and efficiency.
- Ensured sovereign cloud integrity by identifying gaps in threat hunting techniques for an incident.
- Improved the UI/UX of customer-facing documentation that reduced customer queries to on-calls.

**Unscrambl, Inc.** Atlanta, GA  
*Software Engineering & Product Management Intern* May 2021 – November 2021

- Configured and tested a conversational analytics bot using Python and SQL for 2 new client bases.
- Led the proof of concept of a feature by developing the implementation plan and designing its UI/UX.

**Neuroimaging & Brain Dynamics Lab** Nashville, TN  
*Undergraduate Research Assistant | [Publications](#)* May 2019 – May 2022

- Analyzed how physiological signals impact neural activity to discover insights from noisy fMRI data.

**Department of Computer Science, Vanderbilt University** Nashville, TN  
*Teaching Assistant, Operating Systems* August 2019 – May 2022

- Assisted 100+ students by holding office hours and providing feedback on assignments and exams.

## LEADERSHIP AND ACTIVITIES

**Elon Online Bookstore** Dhaka, Bangladesh  
*Founder* June 2018 – May 2022

- Worked on the initial feature planning to sell books at the cheapest price in the city with free shipping.
- Headed customer acquisition and promotional programs that lead to 79% growth in order volume.

**VandyHacks** Nashville, TN  
*Board Member, Communications & Marketing* January 2019 – December 2019

- Acted as the bridge between 650+ hackers and the organizers to promote the largest hackathon in TN.

## PROJECTS

**Nissan Market Research Digitization & Analytics** | *Python, Tableau*

- Automated brand health metrics visualizations based on customer data for Nissan Market Intelligence.

**Gradebook** | *Java, Android Studio, Firebase, AWS EC2*

- Android app for students to keep track of their progress to achieve the desired grade in every course by receiving feedback on task prioritization and effective student-instructor communication.

**Empty Parking Spot Locator** | *Python, ResNet, fastai, OpenCV, Colab*

- Deep learning approach to detect vacant spots from a stationary video feed of a parking lot.