ADITYA AGARWAL

Lynchburg, Virginia

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Education

Virginia Tech	**August 2023 - May 2027**
Bachelor of Science in Computer Science, Secure Computing	*Blacksburg, Virginia*

Relevant Coursework

- Intro to Computer Orgs
- Cyberlaw and Policy
- Future of Security
- Data Structures

Experience

Virginia Tech	**January 2025 – Present**
Undergraduate Teaching Assistant (CS 2505 & CS 2506)	*Blacksburg, Virginia*

- Guided students through C programming and x86 assembly, troubleshooting code and explaining key concepts in GDB, GCC, and low-level programming.
- Helped students by breaking down complex topics like memory management, pointers, and assembly instructions into clear, digestible explanations.
- Provided hands-on support in debugging segmentation faults, optimizing C programs, and understanding compiler behavior.

CloudFit Software	**June 2025 – August 2025**
Software Engineering and Cybersecurity Intern	*Lynchburg, Virginia*

- Migrated an internal application from Ant Design to Material UI using C#, YAML, TypeScript, Elsa Workflows, SQL, Git, and Azure DevOps, improving UI consistency, accessibility, and developer productivity.
- Built a SharePoint onboarding page with an embedded PowerApps app and PowerAutomate integration, reducing onboarding time by 60% and automating reminders and progress tracking.
- Led weekly coding workshops for 30 interns and full-time employees on Java, C#, TypeScript, and React, strengthening technical skills and fostering collaboration.

CloudFit Software	**June 2024 – August 2024**
Software Engineering Intern	*Lynchburg, Virginia*

- Created four new applications to the company's exclusive business management system to help collect data from users for various tasks with automation.
- Collaborated with a total of seven team members to accomplish tasks to ensure project deadlines were met.
- Utilized PowerApps, Power Automate, SharePoint, Office 365 and Azure DevOps.
- Successfully completed project and deployed to production environment ahead of schedule.

Projects

ATM Machine | *Java*	**May 2024**

- Programmed essential ATM functionalities such as account balance checking, cash withdrawals, deposits, and transaction history, ensuring a seamless user experience.
- Leveraged Java's built-in libraries to handle user input, perform calculations, and manage data storage effectively.

Restaurant Menu | *Kotlin*	**December 2025**

- Developed a native Android restaurant menu application in Kotlin to digitize menus for small restaurants, reducing paper waste by an estimated 50% by eliminating printed menus.
- Built a responsive and intuitive UI supporting menus with 50+ items, allowing restaurants to update menu content instantly across Android devices.

Technical Skills

Languages: Python, Java, C#, HTML5/CSS, JavaScript, and TypeScript
Developer Tools: VS Code, Eclipse, IntelliJ IDE, Azure DevOps, Power Apps, and Power Automate
Technologies/Frameworks/Certifications: Windows, Linux, GitHub, CompTIA ITF+

Leadership / Extracurricular

Cybersecurity Club at Virginia Tech (CyberVT)	**August 2025 - Present**
Mentor	*Blacksburg, Virginia*

- Mentored freshman members of the Virginia Tech Cybersecurity Club on academic success and early career paths in cybersecurity.
- Advised students on technical skill development through coursework, certifications, and hands-on security practice.