

Arya Choudhuri

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EDUCATION

Purdue University

B.S. in Computer Science — GPA: 3.16

West Lafayette, IN

Aug. 2025 – May 2029

Purdue University

B.S. in Cybersecurity — GPA: 3.16

West Lafayette, IN

Jan. 2025 – May 2029

Waubonsie Valley High School (WVHS)

High School Diploma

Aurora, IL

Aug. 2021 – May 2025

EXPERIENCE

Software Development Intern

June 2024 – Sep. 2024

Demand Chain AI

- Enhanced Power BI reports by redesigning layouts, refining visuals, and building interactive dashboards to improve decision-making.
- Maintained accuracy of forecasting models by updating datasets weekly to reflect current business information.

Senior SAT Math Boot Camp Tutor

June 2023 – Present

Schoolhouse World

- Taught advanced SAT math strategies to students worldwide, emphasizing problem-solving and time management.
- Mentored and trained 15+ new tutors, improving lesson quality and student engagement.
- Supported measurable student performance improvements through structured practice and feedback.

Volunteer Work

May 2018 – Aug. 2025

Naperville Public Library & SEWA International

- Contributed 100+ hours to community service initiatives including fundraisers, environmental clean-ups, and outreach programs.
- Coordinated youth literacy programs and assembled 1,000+ educational kits for children.
- Supported community events serving underprivileged populations.

LEADERSHIP & ACTIVITIES

Orchestra

Aug. 2018 – Present

- Performed in WVHS's top-level orchestra for seven years and mentored peers in technique development.
- Placed 2nd at the Illinois state-level high school viola performance competition.
- Performed multiple solo pieces in concert settings.

WV Folds (Founder)

Aug. 2024 – May 2025

- Founded and led an origami club with 25+ members, organizing workshops and competitions.
- Taught foundational origami techniques, fostering a collaborative and creative environment.

Ethical Hackers at Purdue

Aug. 2024 – Present

- Active member focused on ethical hacking principles, web application security, and vulnerability discovery.
- Practice identifying common website vulnerabilities such as XSS, SQL injection, and authentication flaws through labs and CTF-style challenges.
- Enjoy solving cryptography and encoded-message challenges involving ciphers, obfuscation, and pattern analysis.
- Continuously explore secure coding practices and defensive techniques to understand how exploits are prevented.

TECHNICAL SKILLS

Languages: Java, C, C++, Python, R

Developer Tools: Git, VS Code, IntelliJ, Eclipse, Power BI, QlikView, Nvim, Kali Linux

Libraries: Pandas, NumPy