

ARUSH BODLA

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EDUCATION

John Champe High School

Expected June 2026

GPA: 4.0/4.0 Unweighted · National Merit Finalist · U.S. Presidential Scholar Semifinalist

Aldie, VA

- Academies of Loudoun — Academy of Engineering & Technology, Computer Science Pathway
- Governor's School for Math, Science & Technology (Summer 2025) — Selected as 1 of 20 students statewide
- **Certifications:** AWS Certified Cloud Practitioner (CLF-C02), Microsoft Security/Compliance (SC-900)

TECHNICAL SKILLS

- **Areas:** Malware analysis, registry artifact analysis, system hardening, reverse engineering, CTF (forensics, crypto, web exploitation)
- **Languages:** C++, Java, Python, C#, Bash, Rust, TypeScript
- **Systems:** Windows (registry internals, Win32 API), Linux (Ubuntu, Mint hardening)
- **Tools:** Git, AWS, Ghidra, WSL, Supabase

TECHNICAL PROJECTS

Windows Registry Monitor. Completed real-time malware detection tool monitoring the Windows registry for persistence indicators. Researched which registry keys warrant live monitoring; Rust backend via Win32 API; React/Tauri system tray UI deployed on bare metal using bootable ISOs. Detected and flagged LoveBug virus persistence mechanisms in live testing. Selected for Regional Science Fair (~10 spots in pathway).

CyberPatriot Linux Hardening Script. Bash script (**4,500 lines**) automating firewall rules, service hardening, and vulnerability patching across Ubuntu and Linux Mint. Commented every section with the reason behind each rule to make it accessible to future teammates. Contributed directly to All-Virginia 1st place finish.

ACL Online Judge Platform. Built a code execution engine supporting 10+ languages with test case management and real-time leaderboards for 100+ students. Next.js frontend, Supabase backend.

COMPUTING COMPETITIONS

- **Code Quest 2026 — 1st Place Advanced**
- **CTF & Cybersecurity:** NCL 4th nationally (2x), top 4% individually; CyberPatriot All-Virginia 1st (2025–26), ranked **13th/4,787 nationally**, Platinum 3 consecutive years; Summit CTF 1st; CyberQuest 3rd
- **Competitive Programming:** IIOT Team USA (1 of 4 selected nationally); USACO Gold; ACSL National Silver, Virginia 1st (perfect record)

EXPERIENCE

CyberPatriot Co-Treasurer & CTF Team Captain

Aug 2022 – Present

John Champe High School

Aldie, VA

- Grew team from 15 to 75 members; managed \$3,000+ budget; ran weekly practice sessions on system hardening, network defense, and CTF techniques
- Competed across CyberPatriot, NCL, and 10+ CTF events in reverse engineering, forensics, web exploitation, and cryptography

Vice President

Sept 2023 – Present

Computer Science Honor Society — Academy of Engineering & Technology

Leesburg, VA

- Organized ACL Hackathon as VP (350 attendees, \$10,000+ budget, 80 volunteers) with sponsors including Microsoft and ManTech

Co-Founder & Tournament Director

Sept 2023 – Present

ACL Competitive Programming Club

Leesburg, VA

- Organized ACL-IT from scratch (100+ attendees, \$3,900 budget); delivered biweekly algorithm and data structures lectures to 50+ students
- Built online judge platform from scratch to support competition infrastructure