

RAYED RAHMAN

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EDUCATION

Purdue University, Purdue Polytechnic Institute

Class of 2029

Bachelor of Science in Cybersecurity

John Martinson Honors College

GPA: 3.94 / 4.00 – **Dean's List**

Chittagong Grammar School (CGS), Chittagong, Bangladesh

July 2025

4 A-level subjects | Top 5% of graduating class | shifted from national curriculum

TECHNICAL SKILLS

Security & Networking: Linux hardening, SSH hardening, firewall configuration, DNS security, Nmap, Pi-hole, OpenVPN, Tailscale, network design, TCP/IP fundamentals.

Operating Systems: Linux (Arch), macOS, Windows.

Programming & Scripting: Python, Bash, Java, JavaScript, HTML, CSS.

Tools & Platforms: Git, VS Code, Burp Suite, Wireshark, Microsoft Graph API

Hardware: Arduino, Raspberry pi nano (WH), Raspberry Pi 4B, Basic Soldering, Laptop Disassembly.

SELECTED PROJECTS

RaspberryCake – Secure Home Server & Network Lab (DeadRay Network)

- Built a secure Raspberry Pi-based server and network lab modeling real-world infrastructure
- Deployed DNS threat mitigation, encrypted remote access, segmented networking, and Linux hardening (SSH, firewall, monitoring).
- Architected a private distributed LAN/WAN network (**DeadRay Network**) with secure node access and synchronized data redundancy.

PurdueSorter – Purdue Outlook Inbox Automation Add-in

- Built a custom Outlook add-in using **Microsoft Graph API** to automatically categorize academic emails by sender role and context (e.g., TA vs. Professor via Purdue Directory).
- Implemented one-click folderization, undo actions, and scalable architecture, with planned AI extensions for summarization and smart routing.

RESEARCH EXPERIENCE

Undergraduate Research Assistant (Tech Team)– Deepfake Detection & AI Security

Purdue University GRAIL LAB

Jan 2026 - Present

- Contributed to the Political Deepfakes Incident Database (**PDID**), a real-world benchmark evaluating detection systems on compressed, low-resolution social media content.
- Analyzed deepfake media from X/Twitter, YouTube, TikTok, and Instagram, focusing on realism, spread, and societal impact.
- Supported research on **false-acceptance rates (FAR)**, detection reliability, and deployment risks for enterprise and political security use cases.
- Collaborating with the technical team to build a research website and automate dataset management and annotation workflows.

Student Affiliate Scholar – Tech Justice Lab (TJL)

Purdue University | John Martinson Honors College (JMHC)

- Interdisciplinary research on social and ethical impacts of technology, emphasizing justice-oriented system design
- Collaboration with faculty and peers to evaluate how technical systems distribute risk, harm, and benefit
- Development of critical frameworks connecting security, power, and technology

PROFESSIONAL EXPERIENCE

Student Office Staff (SOS) – Purdue University, West Lafayette, IN

Jan 2026 - Present

- Enforced physical security, access control, and identity verification procedures within residence halls.
- Handled **confidential student** and housing data in compliance with university privacy policies while responding to incidents and emergencies using structured escalation and reporting protocols

CGSEncrypted – President & Founder

May 2024 - July 2025

- Founded the **first cybersecurity club** and **CTF team** at CGS
- Designed training roadmaps, led CTF events, and trained 40+ members in foundational security concepts.

Web Development, Freelancer

- Developed 5+ websites for organizations including Karnafuli Purabi Jewelers, Ritorshi Studios etc.
- Created e-commerce platforms, portfolios, 3D model-integrated websites with web management.

CYBERSECURITY ACTIVITIES & COMPETITIONS

- **b01lersCTF** – Competitive CTF Team Member. Participated in the in-house CTFs.
 - Solved 50+ CTF challenges across TryHackMe, HackTheBox, OverTheWire, and PicoCTF.
- **Cybersecurity Training (CEH)** – Trained under a CEH certified professional on Web Vulnerabilities.
- **Purdue IT Professionals** – Active Member