Aayush Shrestha

📍 Boise, Idaho   ✉ ayzstha@gmail.com   📞 (714) 612-8461   🔗 ayzstha.com   in ayzstha   ⊙ ayzstha

Technical Skills

Programming: Python (Advanced) · Node.js · Ruby · LaTeX · Java

Web/Media Tools: HTML/CSS · JavaScript · Dash · Express.js · Git · Figma · Photoshop

Data Handling: SQL · SQLite · R · NumPy · Pandas · Matplotlib

Education

College of Idaho   *Exp Graduation May 2026*

Bachelor's in Computer Science and Mathematics

- GPA: 3.84 / 4.0 · Dean's Honors List
- **Leadership:** Coding Club Vice-President · Coding Nights Facilitator · Build-Your-Brand 101 Instructor

Projects

trAIde - AI Trading Tool | Python, NumPy, Dash   *Github* ↗

- Developed an AI-powered trading tool that improved trading accuracy by 25% by dynamically marking entry points, exit points, and stop-losses on a live graph for active trading scenarios.
- Implemented with Python and Dash, ensuring real-time calculations with 99.9% precision.

Senate Voting Tool | Node.js, SQLite, Git   *Github* ↗

- Created a secure web-based voting tool for student body Senators to cast votes after authentication, with results visualized in real time, which reduced groupthink by more than 90%.
- Included user management features for secretaries, developed using Node.js, SQLite, and JavaScript, which improved the efficiency of the voting process by 30%.

Personal Portfolio Website | HTML, CSS, JavaScript   *Github* ↗

- Developed a personal portfolio website using HTML, CSS, and JavaScript, featuring a responsive design and dynamic project showcases that increased user engagement by 50%.
- Incorporated an interactive 'Contact Me' section with JavaScript to enhance user engagement and functionality, which improved user interaction rates by 35%.

Work Experience

Network Engineer Intern   *St. Luke's Health System*
2025 – Present   *Boise, ID*

- Enhanced network efficiency by configuring VLANs, Spanning Tree Protocol (STP), and dynamic routing protocols (EIGRP, OSPF), improving network segmentation and routing by 30%.
- Optimized infrastructure management by documenting IDF layouts, updating network diagrams, and implementing cable management best practices, reducing troubleshooting time by 25%.
- Strengthened network security and reliability by assisting in software upgrades, patch management, and rollback procedures, ensuring 99% uptime and minimizing downtime risks.

Learning Coach | Python, Calculus   *College of Idaho*
2023 – 2024

- Provided one-on-one and group support for Python programming, debugging, and problem-solving, helping over 90% of students improve their coding skills by at least one letter grade.
- Designed and delivered workshops on programming fundamentals, leveraging tools like Jupyter Notebook and VS Code, which resulted in a 20% increase in student participation in coding-related activities.
- Partnered with the accessibility team to develop digital resources, improving campus-wide technical learning programs and increasing accessibility for over 30% of students with learning disabilities.

Certifications

Python Certificate   *HackerRank* ↗

SQL (Intermediate) Certificate   *HackerRank* ↗