

# Aayush Shrestha

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## Technical Skills

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**Skills:** Python (NumPy · Pandas · Matplotlib) · Node.js · Ruby · LaTeX · Java

**Web/Media Tools:** HTML/CSS · JavaScript · Figma · Photoshop · Lightroom · Premiere Pro

**Databases:** SQL · SQLite · R

## Education

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### The College of Idaho

Aug 2022 – Present

*Bachelor's in Computer Science and Mathematics*

- GPA: 3.84 / 4.0 · Dean's Honors List
- **Relevant Coursework:** Python Fundamentals, Object Oriented Programming, Applied Databases, Data Structures & Algorithms, Multiple Regression Analysis, Graph Theory, Probability & Statistics

## Work Experience

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### Alumni Event Planning Support

College of Idaho

2023 – Present

- Maintained and updated the alumni database in Raiser's Edge, ensuring data accuracy and integrity using advanced organizational tools.
- Supported event planning and logistics for large-scale events, including the Scholarship Gala, which raised \$1.1 million, applying data analysis to improve alumni engagement strategies.

### Learning Coach – Python and Calculus

College of Idaho

2023 – 2024

- Provided one-on-one and group support for Python programming, debugging, and problem solving, helping students strengthen foundational coding skills.
- Designed and delivered workshops on programming fundamentals, leveraging tools like Jupyter Notebook and VS Code for effective learning.
- Partnered with the accessibility team to develop digital resources and improve campus-wide technical learning programs.

## Projects

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### AI Trading Tool

[Github Repo](#) 

- Developed an AI-powered trading tool that dynamically marks entry points, exit points, and stop-losses on a live graph for active trading scenarios.
- Implemented with Python, Matplotlib, and NumPy to ensure precise visualizations and real-time calculations.

### Senate Voting Tool

[Github Repo](#) 

- Created a secure web-based voting tool for senators to cast votes after authentication, with results visualized in real time.
- Included user management features for secretaries, developed using Node.js, SQLite, and JavaScript.

### Personal Portfolio Website

[Github Repo](#) 

- Developed a personal portfolio website using HTML, CSS, and JavaScript, featuring a responsive design and dynamic project showcases.
- Incorporated an interactive 'Contact Me' section with JavaScript to enhance user engagement and functionality.

## Certifications

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### Python (Basic) Certificate

[HackerRank](#) 

### SQL (Intermediate) Certificate

[HackerRank](#) 