Aayush Shrestha

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Technical Skills

Skills: Python (NumPy · Pandas · Matplotlib) · C++ · LaTeX · Node.js · Ruby

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

Databases: SQL · SQLite · R

Education

The College of Idaho   *Aug 2022 – Present*
Bachelor's in Computer Science and Mathematics

- GPA: 3.833 / 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

Alumni Relations Student Assistant   *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, applying data analysis for improved 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

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 Flask, SQLAlchemy, 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

Python (Basic) Certificate   *HackerRank* ⧉
SQL (Intermediate) Certificate   *HackerRank* ⧉