

Ayush Gupta

510-676-9076 | ayushg3512@gmail.com | [LinkedIn](#) | [Project Portfolio](#)

Education

University of Washington - Computer Science, Data Science, & Informatics | Expected Graduation: June 2025

Relevant Coursework: Software Design & Implementation, Hardware/Software, Data Structures & Parallelism, Discrete Math, Algorithms, SQL & DBMS, R, Foundations of Design, Machine Learning

Github All In for Students Program - Spring Cohort

Skills

UI Development: Figma Prototyping, Front End, HTML, CSS, Flask, Django, JavaScript, React, TypeScript, NodeJS

Data Science: Data Analysis, Dashboards, Database Management Systems, R, MongoDB, MySQL, Tableau, Power BI

Software Engineering: Git, Github, Python, Java, C, REST API, Linux, AWS, Azure, Back End, Algorithms, Data Structures, Client-Server Protocol, Object-Oriented Design, Docker, Debugging, Script Testing, Jira, Documentation

Soft Skills: Communication, Collaboration, Adaptability, Analytical Thinking, Quick Learning, Customer Satisfaction

Experience

Software Engineer Intern & Backend Team Lead | Flow AI | Oct 2023 - Present

- Lead and manage a team of 6+ interns in backend development from concept to deployment.
- Craft secure server-side functionality and manage infrastructure using **Python & Django**.
- Develop **backend** infrastructure for a SaaS platform, increasing sales calls per rep by 23%.
- Integrate key **REST APIs** from services like Hubspot, Zoom, and Salesforce.
- Facilitate daily cross-functional team collaboration using **GitHub**.
- Troubleshoot backend issues to maintain system stability and uphold best practices.

Undergraduate Researcher | SEAL Lab UW | Sep 2023 - Dec 2023

- Dedicated 15+ hours weekly to rigorous training at SEAL Lab, University of Washington
- Honed expertise in research methodologies - technical writing, **documentation**, DevOps development, internal **communication**

Director of Communications | DEV[0] Computing Club | Oct 2022 - Oct 2023

- Co-founded to address entry barriers for first-time programmers, fostering inclusivity and bridging skill gaps
- Developed and executed the club's **communication** blueprint to attract 50+ members and retain members in a nascent setting
- Pioneered diverse communication strategies, utilizing social media, email marketing, and event promotions to increase membership by at least 20% monthly and unify members

Data Visualization & Machine Learning Hackathon | DubsTech | Feb 2023

- Top 3 winner in competition, collaborated closely with mentors and iteratively improved solutions
- Under tight 24-hour window, engineered impactful and innovative data visualizations in **Tableau** for comprehensive analytics of an Australian grocery store's sales
- Constructed a **machine learning** linear regression model using **Python**, enabling accurate prediction of future total sales, total cost, and quantity of items sold on 370,000+ data entries

Python Coding Instructor | Sailor's Learning Nonprofit | Mar 2021 - May 2021

- Guided 10+ elementary students in mastering programming concepts and **Python** language intricacies
- Developed 50+ hours of curriculum in conjunction with founders and Chief Operations Officer, fostering a positive and empowering learning environment

Java Coding Instructor | Coding Tomorrow Initiative | Mar 2021 - May 2021

- Facilitated 30+ students' adept understanding of object-oriented programming in **Java**, coupled with a comprehensive grasp of syntax and regulations
- Devised educational resources to enhance the efficacy of the instructional team and elevate student achievement outcomes and comprehensive learning experiences

Front Desk Coordinator | LA Fitness | Jun 2023 - Sep 2023

Culinary Crew | Chipotle Mexican Grill | Jun 2022 - Sep 2022

Awards/Certifications

National Merit Scholarship Corporation - Scholarship Recipient, **University of Washington** - Purple & Gold Scholar,

Dubstech - Data Visualization in Tableau & Power BI, **Robert Half International** - Student Scholar