

Ayush Gupta

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Education

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

Relevant Coursework: Software Design & Implementation, Hardware/Software Interface, Data Structures & Parallelism, Discrete Math, Programming III, Algorithms, SQL & Databases, R-based Data Science, Foundations of Design

Github All In for Students Program | Expected Graduation: March 2024

Skills

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

UI Development: Figma Prototyping, Front End, HTML, CSS, Flask, Django, JavaScript, React, TypeScript, Node.js

Data Science: Data Analysis, Dashboards, Relational Databases, R, MongoDB, SQL, Data Modeling, Tableau, Power BI

Soft Skills: Communication, Collaboration, Adaptability, Analytical Thinking, Problem Solving, Quick Learning

Experience

Software Engineer Intern | Flow AI | Oct 2023 - Present

- Developed **back-end** infrastructure for a high-impact SaaS platform for sales reps, reducing search time that has resulted in increase of sales calls per rep by 23%
- Integrated 20+ **APIs** from Hubspot CRM, Zoom, LinkedIn, Salesforce, and other key services
- Currently crafting secure server-side functionality with **Django**, managing infrastructure for performance
- Cross-functional collaboration with various teams on daily basis
- Troubleshoot and debug backend issues to ensure system stability, employing industry 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