

Ayush Gupta

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Education

University of Washington - Computer Science, Data Science, & Informatics | Expected Graduation: June 2026

Relevant Coursework: Machine Learning, AI, User Experience & Design, Software Design, Hardware/Software, Data Structures & Parallelism, R, Algorithms, SQL & DBMS

Github All In for Students Program - Spring 2024 Cohort

Skills

Data Science: Data Analysis, Dashboards, DBMS, R, MySQL, Tableau, Power BI, Excel

Software Engineering: Github, Python, Java, C, REST API, Selenium Web Scraping, Automation, Linux, AWS, Azure, Algorithms, Data Structures, Machine Learning, Docker, Debugging, Script Testing, Jira, Documentation, Oracle, Salesforce

UI Development: Figma Prototyping, Front End, HTML, CSS, Flask, Django, JavaScript, PHP

Soft Skills: Communication, Collaboration, Adaptability, Analytical Thinking, Quick Learning, Resilience

Experience

Data Science Intern | Nsight, Inc. | Jun 2024 - Present

- Manage extensive **Oracle** and **Salesforce** CRM datasets, leveraging **Python** and **R** to validate and convert data.
- Construct **Excel** workbooks and implement formula-based workflows, automating key business processes like commission calculation and increasing operational efficiency by 62%.
- Lead research initiatives, conducting in-depth analysis and meetings with 10+ vendors to address complex consulting inquiries.
- Create and maintain **documentation** and SOP development for all projects.

Software Development Intern | Seam | Jun 2024 - Present

- Develop and deploy **Selenium** web scraping workflows, automating data extraction from 20+ online sources to enhance user information retrieval efficiency and empower users with actionable insights.
- Construct **automation** systems in **Python** for sectors like real estate, LinkedIn, and product review, processing up to 10,000+ data points daily.

Backend Team Lead | Flow AI | Oct 2023 - Present

- Lead and manage a team of 5 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**, **Jira**, and Slack.
- 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, and 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 55 members and retain them in a nascent setting.
- Pioneered diverse communication strategies, utilizing social media, email marketing, and event promotions to increase monthly membership by 20-25% and unify members.

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

- Guided 30 elementary students in mastering programming concepts and **Python** and **Java** language intricacies.
- Developed 50+ hours of curriculum in conjunction with founders, fostering a positive and empowering learning environment.

Awards/Certifications

- **National Merit Scholarship Corporation** - Scholarship Recipient
- **University of Washington** - Purple & Gold Scholar
- **Robert Half International** - Student Scholar
- **Microsoft 365** - Excel Essential Training
- **Oracle** - Cloud Overview
- **Salesforce** - Opportunity Management Training
- **Dubstech** - Data Visualization in Tableau & Power BI