

Ayush Gupta

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Education

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

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

Skills

Software Engineering: Python, Java, C, C++, C#, .NET, Web Services, RESTful API, Selenium, Automation, Linux, Networking, AWS, Azure, Spring, Docker, Kubernetes, Algorithms, Data Structures, AI, Machine Learning, Selenium, Automation, Debugging, Shell Scripting, Agile, GitHub

Data Science: Relational Data Modeling, Data Warehouse, Data Validation, Data Wrangling, Business Objectives & Intelligence, Predictive Analytics, Statistics, ETL Design, Database Management, Performance Optimization, Workflow Automation, Dashboards, Microsoft Power BI, Tableau, Custom Reports, Excel

CRM & Enterprise Software: Salesforce, Oracle, SAS, Workflow Automation, Oracle Fusion, Microsoft Dynamics

Web & Prototype Development: UI/UX, React, Node.js, JavaScript, HTML, React, Flask, Django, Figma

Soft Skills: Communication, Collaboration, Adaptability, Attention to Detail, Problem-Solving, Analytical Thinking

Experience

Backend Team Lead | Flow AI | Oct 2023 - Present

- Achieve successful project delivery by leading a backend team of 5 interns from concept to deployment. Promoted from SDE Intern to Team Lead after 7 months of outstanding performance.
- Craft secure server-side functionality and manage infrastructure using **Python & Django**.
- Develop backend infrastructure for an AI-driven Sales SaaS platform, increasing sales calls per rep by 23%.
- Integrate key **REST APIs** from services like ServiceNow, HubSpot, Zoom, and Salesforce.
- Facilitate daily cross-functional team collaboration using **GitHub, Jira**, and Slack.
- Troubleshoot backend and cloud computing **AWS** issues to maintain system stability and uphold best practices.

Undergraduate Teaching Assistant | UW Information School | Sep 2024 – Present

- Conduct weekly lab section for 25 INFO 201 students on fundamental programming concepts in R.
- Provide detailed feedback and debugging assistance while fostering a supportive learning environment.

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

- Managed extensive **Oracle** and **Salesforce** CRM datasets, leveraging **Python** and **R** to validate and convert data.
- Constructed **Excel** workbooks, implemented formula-based workflows, and integrated **Salesforce** Reports and Dashboards, automating previous key manual workflows like commission calculation.
- Led research initiatives, conducting in-depth analysis with 10+ vendors to address complex consulting inquiries.
- Created and maintained **documentation** and SOP development for all projects.
- Led **Salesforce** opportunity management optimization, automating lead-to-opportunity conversion workflows.

Software Development Intern | Seam | Jun 2024 - Aug 2024

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

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, DevOps development, and internal **communication**.

Awards/Certifications

- **National Merit Scholarship Corporation** - Scholarship Recipient
- **University of Washington** - Purple & Gold Scholar
- **Robert Half** - Student Scholar
- **Oracle** - MySQL Database Service Explorer
- **GitHub** - All In for Students Open Source Contributor
- **Dubstech** - Data Visualization in Tableau & Power BI
- **Salesforce** - Opportunity Management Training
- **Microsoft 365** - Master of Excel