**Srijan Gupta 312**

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Aspiring candidate seeking internship opportunities, currently involved in AI research with Amazon building custom electric delivery vehicles.

PROJECTS

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| **AI powered Application for Professors** | *Python, Gemini, Flask.* | May 2023 – October 2023 |
| * Reduced email volume by 40% for college professors, answering repetitive student questions. * Utilized *Gemini 2.0 Flash model* for **Natural Language Processing,** and *Flask* for **web development**. * Produced context-aware responses to student inquiries. | |
| **Financial Budgeting App** | *Python, Gemini, Figma* | February 2025 - Present |
| * Developed an AI-driven budgeting app for college students, addressing financial literacy challenges and streamlining expense management. * Utilized the ***Gemini 2.0 Flash model*** to deliver personalized, context-aware financial guidance. * Empowered users to adopt efficient saving habits and make informed, long-term financial decisions. * Final phase, ready for deployment in May 2025. | |

EXPERIENCE

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| **AI Research –** *Amazon & UW Sun lab.* | Incoming Spring 2025 |
| * Enhance Lithium-ion battery performance using **Machine Learning** and **Deep Learning** frameworks. * Generate **synthetic data** to predict battery decay, saving months of time otherwise spent collecting real data. * Build a scalable data pipeline using **PyTorch/TensorFlow** for data generation. * Collaborating with Amazon, helping them transition to custom electric delivery vehicles and improve their range and performance. | |
| **Automation Agency (Co-founder) -** *Autovate* | *Make, N8N.* | January 2025 – Present |
| * Automated marketing for Maintain Home Services, a startup in Seattle. * Saved them $600/month by eliminating the need for a marketing team. * Utilized *make & N8N* softwareto auto-generate content and publish it across multiple social media platforms using a single input from the owner. | |
| **Coding Club Teaching Assistant -** *House of Wisdom* | March 2024 – June 2024 |
| * Taught programming and mentored school aged students to navigate new skills in coding. * Collaborated with peers to design lesson plans and received constructive feedback from instructor. | |

EDUCATION

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| **University of Washington, Seattle** | June 2026c |
| Pursuing B.S. Informatics (AI/ML focused) & Computer Science. |  |
| **Relevant coursework at UW:** *Machine Learning*, Client-side Development, Data Structures & Algorithms, Discrete Math, Software Engineering, Linear Algebra & Matrix applications. | |
| **Certifications:** Amazon Web Services (AWS) Cloud Practitioner,*Generative AI: working with LLMs.* | |

TECHNICAL SKILLS

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| **Languages:** Python, Java, C++, R, SQL, HTML, JavaScript  **Git & GitHub:** Proficient in Git for version control and GitHub for collaborative development.  **Database Management & Analytics:** Skilled in SQL, R, Excel, and AWS (DynamoDB, RDS).  **Certified AWS cloud practitioner:** Hands-on experience deploying scalable applications using industry best practices.  **Concepts:** Machine Learning, Artificial Intelligence, Artificial Neural Networks, Human Computer Interaction, Data Science, Data Analysis, Software Engineering, Data Structures and Algorithms, Front-end, Systems. |