Akshit Sanjay Gaur

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Enthusiastic and innovative technologist with a strong foundation in software development and automation, specializing in rapid experimentation and proof-of-concept development. Adept at bridging technical and non-technical communication, with a proven track record in delivering impactful software solutions in fast-paced, cross-functional environments.

Education

Carnegie Mellon University, MS in Software Management   Aug 2024 – Dec 2025
- **Coursework:** Software Engineering Foundations, Machine Learning, Deep Learning, Engineering Management

University of Waterloo, BS in Mathematics, Minor: Computer Science, Economics   Aug 2015 – Apr 2020
- **Coursework:** Data Structures, Advanced Calculus, Object-Oriented Programming, Data Management

Experience

Technical Project Manager, Corus Entertainment – Toronto, Ontario   Feb 2022 – Aug 2024
- Designed and implemented automation frameworks for data processing, leading to a 50% reduction in deployment time by creating 650+ test automations with Python.
- Integrated data mining and visualization processes, managing 150,000+ daily data points.
- Skills & Tools: Python, SQL, Data Analysis, Agile Methodologies, Product Strategy, Stakeholder Collaboration.

Python Developer, Multi Health Systems – Toronto, Ontario   Apr 2021 – Feb 2022
- Integrated Microsoft technologies into business workflows, resulting in a 30% increase in operational efficiency by automating processes using Python and data-driven insights.
- Streamlined communication across engineering, QA and operations, enhancing efficiency.
- Skills & Tools: Python, SQL, Microsoft .Net, Experiment Design, Customer Insights, Usability Analysis.

Projects

Building an LLM from Scratch
- Developing a large language model using PyTorch to perform human-like tasks like text summarizing and generation.

Chess
- Collaboratively developed a fully functionally game of chess using C++ with multiple AI levels.

Customer Feedback Categorization Using LLM-powered Chatbot
- Developed a PRD for an AI tool for Product Managers to gather, analyze, and act on customer feedback by integrating an LLM-powered chatbot using the customer discovery framework.

Volunteering

Python Instructor, Code in Place, Stanford University – Palo Alto, California   May 2021 – Present
- Teaching Python fundamentals to students globally using the Stanford University network of 11,000 students.
- Successfully communicated complex technical concepts to diverse audiences, strengthening engagement and comprehension.

Skills

Languages: Python, Java, C, C++, Typescript, C#, SQL, Perl
Technologies: Docker, Microsoft Azure, Flask, MySQL, Git, Jira, CI/CD Pipelines
Frameworks: Automation, Data Visualization, Machine Learning Workflows
Machine Learning Libraries: PyTorch, scikit-learn, TensorFlow
Research Skills: User Research, Usability Testing, Heuristic Evaluations, Task Analysis
Leadership: Cross-Functional Collaboration, Project Management, Effective Communication