Ananya Jain

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EXPERIENCE

Software Engineering Intern   September 2024 - August 2025
Uber   *Sunnyvale, USA*

- Enhanced the end-to-end ML model development experience on Uber's **Michelangelo platform** by implementing a configurable integration testing pipeline.
- Enabled users to add and integrate their own custom integration testing pipelines using Flipr, a dynamic configuration management tool developed in-house.
- Designed and implemented the pipeline in Python, leveraging tools like **Piper and Buildkite** to ensure seamless automation and scalability.

Data Engineering and AI Intern | *Google Cloud Platform, Python, SQL*   May 2024 – August 2024
Bell   *Toronto, ON*

- Worked on the ML Eng team to productionize ML models on the **Google Cloud Platform**
- Configured the model scoring pipelines and orchestration process to **generate batch predictions**

Software Engineering Intern | *Kotlin, XML, com.auth0 jwks*   May 2023 – August 2023
OpenG2P   *Remote*

- Led the development of the SmartScanner application, implementing an efficient caching mechanism for offline voucher verification and an **authentication framework** using RSA-based JSON Web Tokens, resulting in a **30%** improvement in app usability.

Quantum Computing Undergraduate Researcher | *Python, D-Wave*   May 2023 – August 2023
Matter Lab, University of Toronto   *Toronto, ON*

- Researched Quantum Optimization for Planning Domain Definition Language, applying QUBO methodologies for robotic AI planning tasks.
- Utilized D-Wave Ocean's dimod package to solve **Binary Quadratic Models**, generating optimal solutions with minimal energy.

PROJECTS AND LEADERSHIP

President | *Women in Computer Science (WiCS) Club*   April 2023 - April 2024

- Spearheaded a vibrant community of undergraduate students at UofT dedicated to empowering and providing support for self-identifying women pursuing technical careers
- Coordinated exclusive on-campus networking events in partnership with industry-leading tech companies such as Google and Figma, providing students with valuable opportunities to connect and explore potential career paths

Research Paper | *PyTorch, TensorFlow*   April 2024

- Wrote a paper on "A Comparative Study of CNN, ResNet, and Vision Transformers for Multi-Classification of Chest Diseases"

EDUCATION

University of Toronto, St. George   Toronto, ON
Bachelor of Science in Computer Science, Focus in Artificial Intelligence   *Sep. 2021 – June 2026*

- Recipient of International Scholar award ($100,000), Dean's List Scholar 2021-22, New College In-Course Scholarship, Enrolled in Arts and Science Internship Program (Co-op)
- Relevant Coursework - Introduction to Machine Learning, Neural Networks and Deep Learning Introduction to Databases, Algorithm Design, Analysis & Complexity, Operating Systems, Introduction to Software Engineering

TECHNICAL SKILLS

Languages: Python, Java, Kotlin, React, Git, SPARQL, C, SQL, JavaScript, HTML/CSS, R
Libraries: NumPy, Pandas, matplotlib, scikit-learn, PyTorch, TensorFlow
Awards: Scholarship for Grace Hopper Celebration 2022, world's largest gathering of women in computing
Certifications & Training: Quantum Programming Core - D-wave, LearnAI - UofTAI, Introduction to Quantum Computing - SciNet