

# Arnav Paruthi

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## Technical Skills

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**Languages:** Python, Java, Typescript, C++

**Tools:** Docker, Java Spring Boot, Microsoft Azure, Google Cloud, Elasticsearch, Kafka

## Education

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**B.A.Sc. in Engineering Science** • University of Toronto  
Major in Machine Learning • cGPA: 3.83

September 2021 – April 2026

## Work Experience

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**Undergraduate AI Researcher** – Vector Institute • Toronto, ON September 2025 – Present

- Working to do causal effect estimation from natural language using LLMs. Advised by **Chris Maddison** (founding member of the **Deepmind AlphaGo** project).

**Applied AI Engineering Intern** – Atomicwork • Bengaluru, India May 2025 – August 2025

- **Khosla and Sequoia** backed Series A, founded by Freshworks [NASDAQ: FRSH] employees #4 and #5.
- Rebuilt our agent's web search pipeline, **reducing latency by 64%** and significantly improving response quality (Java Spring Boot, Python, Elasticsearch). Also learnt how to work + live in India 😊.

**Software Engineering Intern** – Stealth Startup • Palo Alto, CA September 2024 – April 2025

- Employee #7 at **Piyush Prahladka (co-founder of Glean)** and **Atish Das Sarma's (former head of ML at Apple)** latest venture! We're building a next generation AI powered command centre for sales orgs.
- Built our Slack, Hubspot and Salesforce integrations end-to-end from scratch, with robust auth and access controls. The system now handles **100K+ messages/hour** (Python, SQL, GCP, Beam Pipelines).

**Software Engineering Intern** – Intel • Toronto, ON May 2024 – August 2024

- Architected and productized advanced latency mode for the **Quartus Performance Monitoring IP**, allowing customers to measure the latency distribution of their AXI4 transactions (System Verilog).

**Software Engineering Intern** – Munich RE • New York, NY May 2023 – August 2023

- Built a **web application** for Alitheia, our risk assessment as a service platform (Typescript, React, NextJS). Took the application from wireframes to production and it is now set to be **sold to clients**.

**Tracking Software Lead** – aUToronto • Toronto, ON August 2022 – April 2024

- **Led 4 students** in building our object tracking pipeline. We use the **Hungarian algorithm**, **Kalman Filters** and a **hidden Markov model** to process camera, radar and LiDAR detections (C++, ROS 2).

**Data Engineering Intern** – Munich RE • Toronto, ON May 2022 – August 2022

- Migrated one of Munich RE's core products to **Kafka** leading to a **30% decrease in runtime** and greatly improving **scalability**. Setup **CI/CD** pipelines using **Docker** and **Helm**.