

# Tanishq Sharma

+44 734-410-5687 | [tanishqsharma.jn@gmail.com](mailto:tanishqsharma.jn@gmail.com) | [linkedin.com/in/tanishq](https://www.linkedin.com/in/tanishq) | [github.com/tanishq](https://github.com/tanishq)

## EDUCATION

### Imperial College London

*Masters in Artificial Intelligence, Department of Computing*

London, UK

Sep 2025 – Sep 2026

### BITS Pilani

*Bachelor's in Chemical Engineering*

Goa, India

Aug 2015 – Aug 2019

## EXPERIENCE

### Data Engineer 2

*Apple*

Mar 2021 – Sep 2025

*Bengaluru, India*

- Architected and optimized a **Snowflake**-based backend for a live customer-facing application pilot, delivering sub-2 second query responses on **10+ billion** records through efficient data modelling
- Built **CI/CD pipeline** to automate PR testing workflows on GitHub, ensuring early bug detection, reducing manual QA effort and cutting average review-to-merge time by **50%**
- Constructed a scalable web scraping pipeline using **Python** and **multi-threading** to analyse image localization issues, reducing computation time by **5x**
- Partnered with team members to **migrate 200+ workflows** from a cron-based system to a cloud-based **Apache Airflow** setup with centralized credential management, leading to a 52% reduction in operational costs
- Collaborated with the Content Operations team to devise a capacity planning framework using an internal **API**, improving project planning and reducing delivery backlogs by **75%**
- Developed a machine learning framework for **daily and weekly monitoring** of key business intelligence metrics, leading to the detection of anomalies with a **85%** success rate and accelerating issue response times by **60%**
- Engineered **GPU-accelerated** ML pipeline on **Apple Cloud** to cut inference time by **2.5x**, mapping customer feedback and queries into a unified taxonomy to improve content gap identification and insights
- Created a chat summarisation service on **Streamlit** using Google's **Flan T5** model, enabling analysis of customer-advisor interactions and reducing issue detection time by **55%**
- Designed scalable data models in **Snowflake** to transform raw iOS app customer journey data into business-consumable formats, enabling insights from **2B+ user visits**

### Process Data Engineer

*Reliance Industries Ltd*

Aug 2019 – Mar 2021

*Gujarat, India*

- Built an in-house motor fault prediction software prototype in collaboration with reliability engineering team with estimated savings of **\$50K annually** by reducing third-party dependency and enabling predictive maintenance
- Analysed plant data & parameter trends for uninterrupted operation of **9.28 KTPD** Alkylation Unit

### Business Analyst Intern

*InMobi Technology Services*

Jan 2019 – Jun 2019

*Bengaluru, India*

- Implemented strategies which increased ad campaigns revenues by **\$5000/day**
- Delivered weekly business forecasts and identified upcoming opportunities for existing and new accounts the South East Asia Region valued **\$50K per month**

## COURSEWORK AND CERTIFICATIONS

**Planned Coursework (Imperial):** Deep Learning, Reinforcement Learning, Mathematics for Machine Learning, Natural Language Processing, Software Engineering for ML Systems

**Certifications:** Machine Learning Specialization by Andrew Ng, Advanced SQL - Logical Query Processing

## TECHNICAL SKILLS

**Languages & Programming:** Python, SQL, Object-Oriented Programming (OOP), Data Structures & Algorithms

**Data Engineering:** Snowflake, Apache Airflow, Jenkins, Tableau, Apache Spark

**Cloud & Infrastructure:** AWS (S3, EC2), Docker, Terraform

**Developer Tools:** Git, GitLab

**Libraries:** PyTorch, TensorFlow, NumPy, Pandas, Matplotlib, scikit-learn