

Ayushi Jain

New Delhi, India

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EDUCATION

Birla Institute of Technology and Science, Pilani

2026 – 2028

M.Tech. Machine Learning and Artificial Intelligence (Work Integrated Learning Programme)

Remote, India

Indraprastha Institute of Information Technology, Delhi

2019 - 2023

B.Tech. Computer Science Engineering, CGPA: 8.34

New Delhi, India

TECHNICAL SKILLS

Languages: C++, C#, Python, TypeScript, JavaScript, KQL, SQL

Technologies/Frameworks: Azure, AWS, GCP, Azure DevOps, CI/CD; PyTorch, Semantic Kernel, MCP, A2A, LLM Evaluation; React.js, Node.js, Git, REST APIs

Areas of Expertise: Cloud, Distributed Systems, System Design, Deep Learning, Reinforcement Learning, Natural Language Processing, Agentic Systems, Microservices, Agile/Scrum, Unit/Integration testing, Observability

EXPERIENCE

Microsoft

July 2023 – Present

Software Engineer

New Delhi, India

- Built **multi-agentic AI** and Copilot experiences in Azure for enterprise customers
- Designed end-to-end **LLM evaluation pipelines** with **AI Foundry** and prototyped agent systems using **Semantic Kernel**, **A2A** and **MCP**. Won 3rd place at Microsoft's **Global Hackathon** for Copilot-SAP workloads integration.
- Built customer-facing lifecycle features (start/stop, deletion) from scratch for SAP workloads with automated test coverage.
- Designed and operate a **certificate-based authentication system** for a mission-critical internal B2B platform supporting telemetry for Azure's **200+ SAP customers**, with **zero production incidents** since launch in 2025.
- Independently deployed **Azure Center for SAP Solutions** across **20+ Azure regions** via **Azure DevOps** pipelines, enabling global availability with automated rollouts.
- Currently, owning **Azure Portal** blade development end-to-end in **React.js**, from design reviews with UX and PM teams through release across partner engineering teams while building observability tooling (alerts, dashboards, **KQL** diagnostics) used by on-call engineers.

Microsoft

May 2022 – July 2022

Software Engineer Intern

Hyderabad, India

- Optimized** random forest-based SLA decomposition model based on paper by **MSFT Research** to improve training time and memory usage by 75% on 100+ GB datasets using **time profiling**, **vectorization** and **reduction in logging**.
- Built a distributed ML PoC using **PySpark** and **Databricks** demonstrating scalable pre-processing and training on large-scale datasets.

Wunderman Thompson (Salmon)

May 2021 – July 2021

Machine Learning Intern

New Delhi, India

- Implemented a **recommendation system** to predict customers' next baskets based on the **paper** using **PyTorch**.

ACHIEVEMENTS

- Stanford Certified AI Technical Professional (2026):** XCS234 - Reinforcement Learning RL, XCS236 - Generative Models, XCS224R - Deep RL
- Dean's Award — Excellence in TAs, Data Structures & Algorithms
- 800+ problems solved on **LeetCode** (Hard: 85, Medium: 467)
- Google Cloud Facilitator — enabled 200+ students to complete 80+ hours of GCP/ML labs
- JEE (Joint Entrance Examination) Advanced: Top 99.7 percentile amongst 100k applicants - 2019
- JEE (Joint Entrance Examination) Mains AIR 3366 (Top 99.73 percentile amongst a million applicants) - 2019
- NTSE Scholar (NCERT): top 2,000 of 1M candidates, awarded by NCERT, Government of India - 2017

PUBLICATIONS

Erasing Labor with Labor: Dark Patterns and Lockstep Behaviors on Google Play

2022

Co-author — ACM Conference on Hypertext and Social Media (HT '22)

- Built a dataset of **319K reviews** across 60 apps with **160.5M+ installs** using large-scale **data scraping**.
- Conducted UX analysis to detect dark patterns and reconfigured a state-of-the-art **microcluster anomaly detection** algorithm to surface coordinated review behavior.