Ayushi Jain

New Delhi, India
+91-8800583794 | ayushij2704@gmail.com | linkedin.com/in/ayushi31/ | github.com/ayushi2019031

Education

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, JavaScript, KQL
Technologies/Frameworks: Git, React JS, Docker, Kubernetes, Pytorch, Autogen, Azure, DevOps
Coursework: Data Structures and Algorithms, Operating Systems, Computer Networking, Theory of Computation, Machine Learning, Collaborative Filtering, Distributed Systems, Natural Language Processing
Areas of Expertise: Cloud , Distributed Systems, Deep Learning, Generative AI tools, System Design, Debugging

Experience

Microsoft July 2023 – Present
Software Engineer (L59-L60) *Hyderabad, India*

- Building new **Multi-agentic AI** and **CoPilot** experiences in **Azure** for **business customers**. Collaborated with team to win 3rd prize in **Microsoft's Global Hackathon** in Azure, for building copilot experience with SAP.
- Developing **Azure Portal** blades in **React.js** and implemented **observability features** (alerts, dashboards, logs) to ensure reliability and quick issue resolution. Fixed critical **security bugs** in Azure and internal products.
- Built customer-facing features of start/stop and deletion from scratch for Azure Center for SAP Solutions. Maintaining **99.5%+ reliability** via **automated tests** and solving customer issues.
- Set up and deployed the product from scratch across 20+ Azure regions using **Azure DevOps** pipelines, enabling global availability and **automated rollouts**.
- Built and operate a **certificate-based authentication system** for a mission-critical internal B2B platform, ensuring **100% uptime** and **100% reliability**.

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 Professional Certificates for XCS234 (RL) and XCS236 (Generative Models)
- Azure Certifications: AZ-104, AZ-201, AI-102, DP-420
- Dean's Award – Excellence in TAship for Data Structures & Algorithms course.
- 700+ questions on LeetCode (**Hard**: 85, **Medium**: 466)
- Google Cloud Facilitator – enabled 200+ students to complete 80+ hours of GCP/ML labs
- JEE (Joint Engineering Entrance) Advanced: Top 0.3 percentile amongst 100k applicants - 2019
- JEE (Joint Engineering Entrance) Mains AIR 3366 (Top 0.27 percentile amongst a million applicants) - 2019
- NTSE Scholar (NCERT)

Research Project

Erasing Labor with Labor: Dark Patterns and Lockstep Behaviors on Google Play
HT '22: Proceedings of the 33rd ACM Conference on Hypertext and Social Media doi/10.1145/3511095.3536368

- **Dataset creation** of 319k reviews of 60 apps with over 160.5 million installs in total using various **data scraping techniques**.
- Performed detailed UX analysis to detect dark patterns and proposed reconfiguration of a SOTA microcluster anomaly detection algorithm that yielded promising preliminary results.