

Krutam Hathi

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Technical and Personal skills

- **Technical Skill:** C, C++, C#, Azure, active participant in competitive coding contests on platforms like codeforces, codechef.

Experience

Cohesity

Bangalore

- *Member of Technical Staff*

July 2024–Present

Worked on building and optimising the indexing service called **Yoda**. The technology used was **C++** for building the indexing service, **RocksDB** for storing the indexes and **Elastic Search** for searching the indexes.

Microsoft

Hyderabad

- *Software Engineer*

July 2021–July 2024

Worked on 4 different projects in my tenure here.

- **Enola:** Built an anomaly detection model for finding unhealthy conference rooms. Architected a pipeline to suggest the meeting organiser about an alternate meeting room to make sure that the meeting is conducted seamlessly. Used **Python** for writing anomaly detection model and the model was hosted on **Azure**. Rest of the backend was written in **C#**.
- **Digital Tech Link:** Built an application from scratch to bring global IT support to users palm. Optimised the apis created so that 75th percentile is under 3 seconds and 95th percentile is under 4 seconds. The tech stack used was **C#** and Azure. Approx. **500K** Microsoft employees are using Digital Tech Link. It is also incorporated in the Viva Connections teams application.
- **Scripts Hub:** Designed an application to left shift the help desk agents work and save time. Implemented an interface for help desk agents to read exchange database and resolve tickets for users. Built on **ServiceNow** platform and backend was in **Azure functions**. Also led a team of 3 to productionize it and support in case of bugs. This saved **24-48** hours per ticket created for exchange.
- **Ask Me Anything Bot:** Created a Azure bot leveraging ServiceNow api with the intention of storing metrics and making it intelligent with the data collected. The tech used was **Azure bot** and **C#**.
- **Personalised Destination Recommendation:** Built a workflow for the **Bing Travel** team to personalise destination recommendation for logged in users. Tech stack used was **C#** and internal cloud called **pixp**.

Microsoft

Hyderabad

- *Software Engineering Intern*

May 2020–July 2020

Teamed with 3 developers and designed a **Data Validation Framework** for Incentive Compensation team, to shift from timely trigger approach to event based trigger. Utilized technologies like **azure databricks**, **.net core**, **azure datalake**, **cosmosDB** and **graphql api**.

VLEAD

Hyderabad

- *Back-end Software Developer*

May 2018–August 2018

Built parser, linker, and renderer for 3 different types of AST defined by the Instructional Designer. Core technologies used were **nodejs** and **MongoDB** database.

Education

International Institute of Information Technology Hyderabad

Hyderabad

- *BTech with MSc in Computer Science,*

2016–2021

Publications

- **Identification Of Performance Improvement Approaches Of Virtual Labs Experiment Using Google Analytics:** Reduced the full load time of virtual labs e-learning website from 12 seconds to 7 seconds i.e by 41%.

Projects

- **Data Analytics in E-learning:**
 - Created, automated and tested a way for creating dataset of users from an virtual labs platform. Collected 7 data points using **Google Analytics** and **Google Tag Manager**.
- **Automated Assignment Of Reviewers To a Pull Request:**
 - Developed an ML model to automatically assign reviewers to a PR so that the code in the repository is consistent and maintainence is easy. Integrated it with ADO. Participated in global Garage Microsoft hackathon 2022.
- **FinanceBizz:**
 - Designed and prototyped a finance app which can track all the investments for Microsoft employees. Participated in the 2021 global hackathon and secured 4th position at India level.