MEET AKBARI

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KEY PROJECTS

SoundSync – Song Streaming Platform *Github*   *Team of 4*

- Implemented song upload, search and **streaming services** in **Java** using framework-less multi-threaded **HTTP** Server.
- For high availability of data, created multiple **mongodb shard** clusters inside **LXC containers** to store song metadata.
- Used **Hadoop** Distributed File System for song file storage. Deployed all services on **XCP-ng**'s bare-metal **VM** setup.

Peer Learning System *Github*   *Team of 4*

- Designed and developed a web solution for college geeks in **Django** using JavaScript, Bootstrap and **REST APIs** to learn from peers' work while managing course activities at one place.
- Followed **Scrum Methodology**, and created proper **documentation** during entire Software Development **Life Cycle**.

YupChat - A Chat App *Github* [*Deploy*]   *Solo*

- Developed an app with features of multiple rooms creation, emoji messages, and scrolling down for recent messages.
- Implemented **WebSockets** using Socket.IO, used CORS mechanism & **NodeJS** for backend and ReactJS for frontend.

SKILLS

Languages: Java, Python, Javascript, HTML, CSS

Frameworks / DBs / Other Tech: Django, NodeJS, MySQL, PostgreSQL, MongoDB, ReactJS, Bootstrap, Git, Linux

Familiar with: REST API Design, Docker, AWS, Distributed Systems & Blockchain concepts

WORK EXPERIENCE

Ahmedabad University - *Undergraduate Researcher [Internship]*   **[Software Engineering]**   Jan 2022 – May 2022

- Learned the fundamentals of Blockchain and Ethereum. Built ETH-Marketplace using **NodeJS**, Metamask & Ganache
- Prototyped the election and replication pattern of PBFT into **RAFT** to make it both byzantine & crash fault-tolerant.
- Implemented round-robin election and log replication between leader-follower nodes using RPC and sockets.

Flash Tech Company - *Data Engineer [Internship]*   Jun 2021 – Aug 2021

- Worked with **SAP HANA** DBMS to fetch and prepare the data to increase customer engagement on the Nesto app.
- Increased **20M+ rows** data's processing speed by **10x** using parallel processing tools like ModinPandas, Dask, and Ray.
- Created **ETL Pipeline** to fetch the data from SAP, processing it in Jupyter notebook and loading it into **Postgres DB**.

EDUCATION

Bachelor of Technology, Information and Communication Technology   July 2018 – May 2022

Ahmedabad University, India   *CGPA: 3.31 / 4.0*

[Awarded 100% tuition fee waiver scholarship for 4 years]

POSITIONS OF RESPONSIBILITY

Hackathon Organizer – Ingenious Hackathon 2.0   Feb 2021 – Mar 2021

- As a lead organizer, earnestly involved in bringing sponsors, speakers and judges for the hackathon. With a **team of 3, managed 120+ participants** smoothly for 48 hours of the hackathon on Discord.

Team Leader – AIESEC in Ahmedabad (Youth-Run Organization)   Feb 2021 – Jul 2021

- Volunteered with the Business Dev department, **headed a team of 3**, and gained useful leadership & **team management** experience. Organized an SDGs-based Virtual Business Idea Hackathon with the participation of 35+ participants.