Tharun Reddy

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EDUCATION

Birla Institute of Technology and Science Hyderabad
BE Computer Science GPA 8.4

EXPERIENCE

DataLink June 2023 – Present
Full Stack Developer *Hyderabad*

- Developed **REST APIs** for EHR modules, ensuring secure access to patient records while adhering to **HIPAA** compliance standards.
- Designed **MySQL** database schemas for new EHR features, optimizing query performance for processing large volumes of clinical data.
- Implemented **FHIR**-compliant interfaces for exchanging patient data between healthcare providers, facilitating medical interoperability.
- Built scalable backend services with **Python** and **Django** for EHR systems, supporting up to 10,000 concurrent users.
- Optimized **MySQL** indexes for EHR data retrieval, reducing query latency by 40% for faster access to medical reports.
- Integrated **DynamoDB** to efficiently manage unstructured clinical data within the EHR system, improving data processing speed by 30%.

SanDisk Jan. 2023 – Jun 2023
Internal tool developer intern *Bangalore*

- Developed an internal website for monitoring and deploying firmware tests using **Angular and used C# .NET framework for the backend**
- Designed and deployed the entire database using ORM strategy and **lamda** queries bringing down the fetch query cost by 90% than using stored procedures
- Implemented **user hierarchy** system use role based front end system and roles to be fetched from the back end

Gojek Jun. 2022 – Aug 2022
Data Engineer intern *Bangalore*

- Migrated production databases to analysis databases using manual **python scripts in airflow**
- worked on a command line based data migration tool in **Golang** that automated migrating data reducing the time required by several hour's
- Implemented the logger for the application nd developed api's to send the logs statements to update in real time in the internal tool

SKILLS

Tech Stack : JS (React+ Redux , Angular), C# (.NET) ,Java, SQL, Python
Tools : Snow Flake ,AirFlow, Git, Postman , Azure, Bit Bucket , Visual Studio

PROJECTS

Gambler Aug. 2023 – Dec 2023

- Developed a Web application to demonstrate the logic of Gambling in a gamified way
- Used **React ,Redux** for the front end and **Tailwind in combination with material UI** for styling
- used **Java Spring boot** to setup the Back End , maintained the details of user profile and Carrier statics and fetched them using **ORM**
- Implemented **G -Auth** using fire base and stored the sso token in the user cache
- Implemented Drag and Drop features using famous react libraries like **React DnD kit and Toastify** for displaying Errors and Warnings

ACHIEVEMENTS

Expert in code forces , Completed 800 problems on Leetcode, **99.07** percentile in JEE-mains ,**96.2**% in 12th and **98%** in 10th boards