

Adithya Thirumalai

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EDUCATION

Vidyalankar Institute of Technology

BE - Computer Engineering, June 2021

EXPERIENCE

Associate Data Engineer | Accenture:

Feb 2022 – Aug 2023

- Developed and maintained Meta Data-based Ingestion Pipeline using NIFI to ingest large volume of data to Hive tables.
- Designed and developed various PySpark and python-based automation scripts for daily data ingestion summaries, error logs, capturing disruption in data flow etc. reducing 2-3 hours of manual labour.
- Developed complex SQL queries for mitigating cluster load due to heavy join operations, thereby decreasing the cluster usage.
- Maintained systems ingesting over 1 TB of data every day.

Associate Analyst | Ugam Solutions:

July 2021 – Nov 2021

- Designed and developed multi layered data validation scripts for real time customer data using Quantum.
- Used IBM SPSS to reformat unstructured data into a structured format for further analysis. Also used it for various ETL (Extract, Transform, Load) activities.

PROJECTS

Automated Pop Quiz Implementation System / Android App | [Link](#)

- The project comprises of 2 android apps, Teacher app and Student app.
- The teacher app is primarily developed to allow the teacher to create quizzes and track the progress of every student over time. The app offers a variety of quiz formats to choose from. It also provides detailed statistics in the form of charts and reports about every test taker. The data is stored in NoSQL based Firestore.
- The student app asks for a unique code to access the desired test. This code is generated in the teacher app which then is shared to the students at the desired time. The app employs various security measures in order to restrict plagiarism/Malpractices

Note-Keeper (React, Express) | [Demo](#)

- Simplified clone of google keep web app.
- Developed a dynamic webpage to view and modify data using the ReactJS.

Retro Styled Landing Page | [Demo](#)

- A retro style front end design with custom animations made using HTML, CSS and JavaScript. Used locomotive-scroll for smooth scrolling experience.

Technologies and Languages

- Java, JavaScript, SQL, HTML, CSS
- Git, React, PostgreSQL, Unix, MongoDB, Android Studio.