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# Adithya Thirumalai

San Jose, CA | (+1) 6692959738 | [tadithya99@gmail.com](mailto:tadithya99@gmail.com) | [Portfolio](#) | [GitHub](#) | [LinkedIn](#)

## EDUCATION

**San Jose State University, San Jose, California**  
Masters of Science, Software Engineering

August 2024 - May 2026

**VIT, University of Mumbai, India**

Bachelor of Engineering in Computer Engineering

August 2017 - June 2021

## SKILLS

Java | JavaScript | HTML | CSS | ReactJS | Bootstrap | MongoDB | SQL | ExpressJS | NodeJS | Android | PostgreSQL | Backend Development | Frontend Development

## EXPERIENCE

**Accenture** - Associate Data Engineer

February 2022 - August 2023

- Developed and maintained Meta Data-based Ingestion Pipeline to ingest large volume of data to Hive tables using NIFI
- 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

**Ugam Solutions** - Associate Analyst

July 2021 - November 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.
- Taught scripting fundamentals and advanced validations to 2 interns.

## PROJECTS

Automated Pop Quiz Implementation System | Android Apps | [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](#)

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

Retro Styled Landing Page | [Demo](#)

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