Rohan Nirmal

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WORK EXPERIENCE

Tata Consultancy Service (TCS) – ABN AMRO   **Mumbai, India**
Data Engineer, Azure Cloud   *October 2020 to April 2022*

- Created and maintained **ADF pipeline** for data migration, data standardization, data loading and other automation tasks.
- Developed Spark applications using **Pyspark** and **Spark-SQL** for data extraction, transformation and aggregation from multiple file formats for analyzing purposes.
- Developed and maintained **Azure Databricks** notebooks in **Python** to perform data ingestion and data validation on the ingested data.
- Closely worked with **Business analyst** to understand the requirements and modified the existing ETL framework purely built in Python to support more features and added **Unit Testing** with good Code Coverage.
- Implemented several **Python** scripts which reduced the manual effort and time spent of team members by **80%** in several tasks such as creating configuration files for ETL, Updating table data in SQLDB directly through **Azure Databrciks** notebook.

Coding Instructor   **Gujarat, India**
Coding Instructor   *October 2017 to April 2022*

- Worked closely with multiple computer science and high school students to tutor in Introduction to programming, **Java**, **Python**, Introduction to **Web Development** - **HTML**, **CSS**.

PROJECTS

- **Online Code Editor**
  Designed and developed an online Code Editor and Compiler app in React where you can write and run code for multiple programming languages like Python, C++, Java and many more.
- **Online Music Player**
  Developed an minimal online Music Player where you can search your favorite Artists/Songs/Albums from all around the world and can listen its preview for free and is integrated with Deezer music API.
- **Algorithm Visualizer** –
  Developed a visual tool in Python to demonstrate the actual working with graphics of some of the most commonly used Searching algorithms like BFS, DFS and A-star and Sorting Algorithms like Bubble Sort, Quick Sort, Linear Sort and Merge Sort.
- **Automatic fire Alerting System** (*Final year project*)
  Designed and developed an IOT solution to detect and prevent the fire hazards by alerting the User and the Fire department and turn off the Electricity and Gas Connection to prevent the fire.

EDUCATION

Gujarat Technological University, B.E. Computer Science   Gujarat, India - September 2020

- **8.51** GPA - GIDC Degree Engineering College.

SKILLS & INTERESTS

Programming Languages: Python, JavaScript, Java, HTML, CSS, PHP, SQL**.**

Libraries and frameworks: React, Node.js, Express, Pyspark, Flask/Django, Pygame/Tkinter

Tools and Platforms: Azure, Azure Databricks, Azure Data factory, Azure Devops, Netlify, Heroku, Git

Interests: Teaching, Reading, Volunteering.