

JAY PANCHAL

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PROFESSIONAL EXPERIENCE

Tata Consultancy Services Ltd.

Ahmedabad

Systems Engineer

Aug 2023 - Present

- Actively engaged as a developer, contributing to the development of systems using Angular and Spring Boot.
- Collaborated with cross-functional teams to design, implement and maintain efficient and scalable enterprise solutions.
- Created a Proof of Concept, ultimately contributing to the acquisition of new client for the organization.

Project Intern

Feb 2023 - May 2023

- Worked as a Flutter developer, designing, implementing and testing application for Android, iOS and Web platforms.
- Successfully migrated existing application and also implemented notifications module using One Signal.

University Of Manitoba

Winnipeg

Research Intern

Jun 2022 - Sep 2022

- Worked on "Application of functional data analysis to observation of COVID-19 prevalence in USA: Impact of regional political orientation and vaccine rates".
- Built Functional Data Analysis model to find significant difference and trend in COVID cases of United States from period 2020 to 2022.
- Analyzed the difference in different regions of United States and Political influence in US and found dissimilarity in new cases due to various factors.

SKILLS

- Angular
- Python (Numpy, Pandas, Scikit-Learn, Keras, Tensorflow, Dash)
- R (Caret, ggplot2, tidyverse, Shiny)
- MySQL
- Functional Data Analysis
- Deep Learning

PROJECTS

Pulsar Star Classification

- Analyzed data of DM-SNR curve and Integrated Profile values of different stars.
- Built a predictive model to find whether the star is pulsar star or not.

AutoCorrect Model

- Used Shakespeare's Sonets to make simple autocorrect model.
- Used different methods like switching, replacing, adding and removing letter.

CO2 Data Analysis

- Given data of different countries and continents from 1750 to 2020 of multiple factors of generating CO2.
- Created an app on Shiny to visualize data and understand trend.

EDUCATION

L.J INSTITUTE OF ENGINEERING AND TECHNOLOGY

2019 - 2023

Bachelor of Engineering in Computer Engineering - 9.07 CGPA