

Education

- 2013 – 2017 **B.Tech, Electronics and Communication Engineering, NIT Bhopal**, 8.19/10.
2012 **Senior Secondary Education (RBSE)**, Vande Mataram Sr. Sec. School, Pali, 85%.
2010 **Secondary Education (RBSE)**, Govt Sr. Sec. School, Tewali, 84%.

Work Experience

July 2017 - **UnitedHealth Group(Optum) Hyderabad, India.**

Present Software Engineer, Data Solution Team

- 2 years of working experience with DWH and Analytics Team using Big Data and Machine Learning Technologies using Python.
- Created ETL code to extract data from multiple sources and load it to a single data warehouse after transformation.
- Identified the flaws in the existing process and designed a robust process so that high quality data can be delivered.

Projects

Pharmacy Network Audit Platform (Current Project)

- The aim of this project to enhance and automate case management using PySpark for ETL processing and PEGA (A case management user interface).
- Using Predictive FWA (Fraud Waste and Abuse) ML model as source and PySpark, associated the identified pharmacies with their historic data to assist the audit team to take corrective action.
- Utilized airflow to schedule and monitor daily workflows.

Rx Prior Authorization

- The aim of the project is to reduce prior authorization volumes that are being processed manually in order to improve operating efficiency and response time thereby increasing the NPS scores.
- Designed and implemented PySpark jobs to handle data extraction from datalake(hadoop system).
- Built predictive models using Logistic Regression, GBM and XGBoost for prior authorization approval.
- Reduced turnaround time for PA: from 15 days commercial and 24-72 hours Medicare Part D to instant approval.

Technical Skills

Languages Java, Python, C/C++, SQL

Big Data Hadoop, PySpark, Hive

Tools Scikit-learn, Keras, Numpy, Pandas, Matplotlib, Seaborn, Bash

Text Editors PyCharm, Eclipse, Jupyter Notebook, Spyder
& IDEs

Achievements

Diamond Award: Surge(Machine Learning Competition) UnitedHealth Group.

Sapphire Award: Innovation and Performance UnitedHealth Group.

Extra Curricular Activities

As an active member of Prayas (social initiative of MANIT) took sessions in local schools, slums to inspire learning for all ages.