NITIN PATIL

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OBJECTIVE

Data Analyst with an Business-oriented mindset and a strong ability to solve Real-world challenges. Excels in analytical problem-solving using experience in **Excel, SQL, Python and BI tools**, with a track record of building projects and working on **Real-time Machine Learning** applications. Actively looking for job opportunities.

EDUCATION

Year	Degree/Certificate	Institute	CPI/%
2019 - 2023	B.Tech	Indian Institute of Technology Kanpur	6.5/10.0
2018	CBSE (XII)	RD Public School, Betul	85.0%
2016	CBSE (X)	RD Public School, Betul	10.0/10.0

TECHNICAL SKILLS

Languages: Python, C++, SQL
Frameworks and Libraries: Numpy, Pandas, Seaborn, Sklearn, Matplotlib, Boto3
Other Utilities: AWS, MS-Excel, Tableau, MS Power BI, Jupyter Notebook, MS-PowerPoint
Proficiencies and Interests: Data Analytics, Machine Learning, Data Science, Cloud Computing

WORK EXPERIENCE

EXL Service | Analyst *Oct'23 - Present*

- Automated the manual tasks using **AWS Lambda functions** in Python to enhance and optimize various operations
- Developed and registered Machine Learning models with **Model Registry** in Amazon SageMaker
- Created dashboards in **Amazon QuickSight** to monitor the performance of machine learning models and track monthly AWS resource costs per tenant
- Designed and implemented a **CI/CD pipeline** to automate the deployment of changes from repository to the Python application, ensuring seamless and continuous integration and delivery
- Created **Containerized flask** application and deploy it over **EC2 instance** in AWS
- Monitored **Security Hub** daily, **automated the resolutions** of security findings and addressed daily operational challenges on cloud platforms ensuring consistent functionality and **client support**

Taghive Inc. | Data Analyst *May'22 - Jul'22*

- Conduct a thorough lifecycle analysis of the company's Class Saathi app to give valuable insights through reports
- Performed **exploratory data analysis** of dataset after cleaning and visualized trends using **seaborn** and **matplotlib**
- Implemented **advanced Excel** functionalities like **Pivot Tables** and **VLOOKUP** on dataset to perform data analysis
- Defined **Key Performance Indicators (KPIs)** like Heavy Users and other useful **metrics** to measure app's success
- Predicted **User engagement pattern** of upcoming months using **Linear Regression** and previous year data

PROJECTS

Time Series Forecasting to Forecast Future Sales of Furniture

- Developed a model to predict and forecast the sales of furniture for one year by applying **Time Series** analysis
- Performed **in-depth EDA** of sales data using different segments such as product categories and regions
- Applied statistical techniques like **Dicky-Fuller test, Decomposition** and **ACF/PACF plots** to evaluate data features
- Checked the stationarity and identified the nature of the data using **adfuller test and null hypothesis**
- Implemented Time Series Analysis using **Seasonal ARIMA Model** and **Fbprophet** with an **RMSE 116.45**

Stock Market Data Analysis and Price Prediction using Neural Networks | Course Project (HSO201A)

- Proposed an approach towards stock prediction using the **ANN (Artificial Neural Network)** technique
- Reduced the multi-dimensionality of the data by using **Principal Component Analysis (PCA)** to train network faster
- Used the reduced data as the **input vector** for the Artificial neural network (ANN) after applying PCA
- Propagated the input obtained for ANN through **feed-forward step** one by one using **MATLAB toolbox**
- Used **Backpropagation** for **Weight Updating** which uses **gradient descent** to minimize error in cost function
- Outperformed the previous model and predicted the prices of stocks with minimum error in prediction

Tableau-SQL Integration Project

- Analyzed the data after loading database to MySQL using Select, **Insert, Update, Delete and aggregate functions**
- Executed **Joins, Views, Subqueries, and Advanced queries** for department-wise analysis of **KPIs** such as salary
- Transferred the data organized different charts into an **Interactive Dashboard** using **Tableau Public**
- Used Databases, Database and Visualization Tools such as **MySQL, MySQL Workbench and Tableau Public**
- Successfully analyzed the relation between average salaries of employees and integrated SQL-Tableau

RELEVANT COURSEWORK

Fundamentals of Computing	Applied Probability and Statistics	Computational Methods in Engineering
Linear Algebra and ODE	Geoinformatics	Partial Differential Equations