

Nitin Patil

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Department of Civil Engineering

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ACADEMIC QUALIFICATIONS

Year	Degree	Institute	Performance
2023	B.Tech	Indian Institute of Technology Kanpur	6.7/10.0
2018	CBSE(XII)	R D Public School, Betul	85%
2016	CBSE(X)	R D Public School, Betul	10.0/10.0

WORK EXPERIENCE

• **EXL Service** | *Analyst* Oct '23 - Present

- Addressed daily operational challenges on cloud platforms, ensuring consistent functionality and **user support**
- Optimized solution architecture to enhance cost **efficiency, reliability, and security** of cloud-based systems
- Oversaw seamless **onboarding of tenants (clients)** onto cloud platforms, ensuring smooth integration and satisfaction
- Explored new **AWS services** through research and development, resulting in POC and comprehensive reports
- Designed and implemented **Python Lambda functions** for AWS services, enhancing capabilities and automation

• **Taghive Inc.** | *Data Analyst Intern* 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 the 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 the app's success
- Successfully predicted **user engagement pattern** of upcoming months using **linear regression** and previous year data

KEY PROJECTS

• **Time Series Forecasting to Forecast Future Sales of Furniture** Apr '22 - May '22

Objective	• Develop a model to predict and forecast the sales of furniture for the next one year by applying Time Series analysis
Approach	• 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
Impact	• 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)* Jan '21 - Apr '21

Mentor: Prof. Dr. Somesh K. Mathur, Department of Economic Sciences, IIT Kanpur

Objective	• Proposed an approach towards stock prediction using the ANN (Artificial Neural Network) technique
Approach	• 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
Impact	• Outperformed the previous model and predicted the prices of stocks with minimum error in prediction

• **Tableau-SQL Integration Project** July '22 - Aug '22

Objective	• Analyze Employees database using MySQL and integrate with Tableau to visualize patterns of their salaries
Approach	• Analyzed the data after loading the 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 Tools, and Visualization Tools such as MySQL, MySQL Workbench and Tableau Public
Impact	• Successfully analyzed the relation between average salaries of employees and integrated SQL-Tableau

TECHNICAL SKILLS

- **Languages:** Python | SQL
- **Skills and Areas of Interest:** Machine Learning | Data Analytics | Data Science | Cloud Computing
- **Tools and Packages:** Advanced MS Excel | Tableau | MySQL | AWS

RELEVANT COURSEWORK

**Online Courses*

Fundamentals of Computing	Applied Probability and Statistics	Linear Algebra and ODE
Python Bootcamp*	Computational Methods in Engineering	Geoinformatics
Introduction to Economics	Machine Learning *	SQL *

POSITIONS OF RESPONSIBILITY

• **Senior Executive (Design)** | Techkriti, IIT Kanpur Feb '21 - Mar '21

- Facilitated the **management** of **graphic content** of various events through posters and **increased** social media page's reach
- **Conceptualized, planned,** and **regulated** the overall events and proceedings of the fest in cooperation with other verticals

EXTRA-CURRICULAR ACTIVITIES

- Participated in **Takneek'19** held by Science and Technology Council, IIT Kanpur in events organized by **Aeromodelling Club**
- Performed in **Dance competition** in GALAXY'20, an inter-hall cultural competition organized by MnC Council, IIT Kanpur