

# Ashutosh Pareek

Bengaluru, Karnataka, India

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## PROFILE

Experienced Data Engineer with more than 2.5 years of expertise in database development, data engineering, and analytics. Contributed significantly to product development, engaging with over 14 clients across diverse sectors which includes apparel, cosmetics, food service, and hospitality. Proficient in developing and deploying products, crafting insightful dashboards leveraging MySQL, "Knowage", Python, and d3.js, and implementing sophisticated stored procedures.

## WORK EXPERIENCE

### Senior Data Engineer | Cartesian Consulting, Bengaluru

Aug 2020 to Nov 2022

- Created a standardized Database structure by analyzing source data from over 20 clients for quick data transformation and Easy Delivery Interface.
- Designed and developed frontend and backend code using MySQL, Python, d3.js, HTML, and JavaScript, resulting in a streamlined approach to presenting over 100 reports to clients and stakeholders.
- Wrote 50 stored procedures totalling over 5000 lines to process and retrieve real-time data for dashboards and product development.
- Spearheaded the development and implementation of code for 2 pivotal product modules, CLM and the response engine, as a key member of the product development team.
- Implemented database models for 14 clients across four industries, including apparel and finance.
- Experience in writing ETL Scripts using Pentaho, Linux, and SQL to Extract and Load client data according to system requirements.
- Automated manual tasks by implementing Linux Shell Scripts for job automation.
- Integrated and interacted with over 50 APIs using Postman.
- Conducted EDA on client data with over a billion rows for statistical analysis and insights.
- Achieved an almost 80% reduction in run time for the automatic campaign generation system, leading to significant cost and time savings.
- Enhanced efficiency by reconfiguring the response engine, reducing run time from 18 hours to 30 minutes; resulting in a 95% reduction in computation costs and enabling real-time response processing.
- Performed data profiling and analysis for client data with millions of records using Shell Script and Excel.

## EDUCATIONAL QUALIFICATION

- University of Essex - Master of Science in Data Science, Machine Learning, Statistics, Model Experimentation, SQL, Natural Language Engineering, building dashboards and performing Visualisation, Big Data in Finance 2022 - 2024
- Great Lakes Institute of Management - Graduate Diploma Data Science and Engineering 2021 - 2021
- B.K. Birla Institute of Engineering and Technology - Bachelor's degree in Electronics and Communication Engineering 2014 - 2018

## PROJECTS

### Audio Data Classification

Objective - To apply machine learning algorithms to audio data and analyze sounds emitted by plants.

- Performed comprehensive data cleaning, analysis, feature creation, and visualization.
- Leveraged the ANN, CNN, SVM, and Random Forest algorithm to achieve a prediction accuracy rate of 77%.
- Successfully classified the audio emitted by plants into 4 four groups to identify plant stress and hydration.

### House Price Prediction Analysis

Objective - To predict house sales prices using machine learning

- Excelled in data cleansing, analysis, and visualization tasks to construct a robust predictive model for House Price Prediction.
- Implemented 9 distinct regression models and fine-tuned parameters, achieving exceptional predictive accuracy.
- Successfully predicted house sales prices with a remarkable accuracy of 91% on the testing dataset.

## ADDITIONAL INFORMATION

Rookie of the Year, Cartesian Consulting [2021]

Gold Medal in the Inter-College "Call of Duty" Competition [2017]

Secured 2nd position in Debugging Competition [2016]

HackerRank SQL Advance Certificate [2024]

Training – Python for Data Science, Kaggle [2020], Industrial Training on VLSI [2017], Data Engineering using AWS Data Analytics [2023].

Languages – English; Hindi.

## Skills

- |          |                      |           |
|----------|----------------------|-----------|
| • C      | • JavaScript         | • HTML    |
| • C++    | • Shell Scripting    | • CSS     |
| • MySQL  | • Tableau            | • Linux   |
| • Python | • Data Visualisation | • Pyspark |
| • R      | • Power BI           | • Excel   |