

MOHD SAHIL

DATA SCIENTIST | DATA ANALYST

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EXPERIENCE

Aidetic Software Private Limited

Data Scientist May 2022 - March 2023

- Conducted web scraping to collect relevant data for analysis, optimizing the data collection process for efficiency and accuracy.
- Designed and implemented a robust Relational Database schema to support the entire system, ensuring seamless data management and retrieval.
- Developed an intelligent template search system utilizing optical character recognition (OCR) for data capture and the universal sentence encoder for advanced sentence embedding.
- Designed an end-to-end architecture for Intelligent Video Analytics using NVIDIA Jetson Device, enabling real-time analysis and insights from video data.
- Built a highly accurate age and gender detection model using Convolutional Neural Networks (CNNs), enhancing the system's capabilities for demographic analysis.
- Utilized OpenCV for various computer vision applications, including image processing and face detection, contributing to the overall functionality and accuracy of the system.
- Created REST APIs using popular web frameworks like Django and Flask, enabling seamless integration and interaction with other systems.

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Data Science Trainee October 2021 - April 2022

- Worked on real-world projects and case studies to apply theoretical concepts to practical scenarios, enhancing problem-solving abilities.
- Gained expertise in areas such as machine learning, statistical analysis, data visualization, and data manipulation.
- Developed a strong foundation in Python programming languages, along with proficiency in popular data science libraries and frameworks.
- Collaborated with a diverse group of peers, engaging in team projects and discussions to foster a collaborative learning environment.

EDUCATION

- Bachelor of Technology in Computer Science
Galgotias College of Engineering & Technology, Greater Noida (2016-2020)

TECHNICAL SKILLS

- **Programming:** Python, Object Oriented Programming, Data Structures and Algorithms, API, Django, Flask
- **Database:** RDBMS, SQL, MySQL, PostgreSQL
- **BI Tools:** Tableau, Power BI, Excel
- **Machine and Deep Learning:** Regression, Classification, Ensemble Learning, ANN, CNN, Computer Vision, Natural Language Processing, Tensorflow, Pytorch, Scikit-learn, OpenCV
- **Miscellaneous:** Statistics, A/B Testing, Data Science Pipeline, Data Visualization, Web Scraping, Docker, Git

PROJECTS

Image Search Engine for Fashion Products [\(link\)](#)

- Developed a Fashion Image Search Engine using the ResNet50 architecture. Leveraged deep learning techniques to build a robust system that accurately retrieves the most similar images from a database based on input images

Email/SMS Spam Classification [\(link\)](#)

- A spam classification streamlit app that solves the problem of spam messages
- Trained multiple models for spam and not spam classification and finalized based on their performance metric

A/B Testing with SQL [\(link\)](#)

- Used SQL for data wrangling - cleaning and filtering the data, Joins and sub-Queries to simplify complex queries involving multiple tables
- Created metrics that are tied to a business value and Tested the metrics by finding their p-values

Airbnb Bookings - Exploratory Data Analysis [\(link\)](#)