



Saurabh Tandon

I'm a data enthusiast with experience in Python, MySQL, and statistical techniques. My career goal is to continue growing as a data scientist and work on challenging projects that drive business impact. I am eager to apply my skills and knowledge to help companies make smarter decisions and stay ahead of the competition.

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WORK EXPERIENCE

Programmer Analyst

Cognizant Technology Solution

02/2022 - Present

Bangalore, India

- Completed comprehensive training on MySQL, Python, ML models, HTML/CSS and OpenText Exstream.
- Assigned to the work for a life insurance company to assist the client to manage their documentation by CCM technology using the tool OpenText Exstream.
- Leveraged SQL to efficiently manage and manipulate the database, ensuring data integrity and accessibility for various project needs.
- Utilized customer feedback to analyze trends, employing Python and other machine learning models to enhance decision-making processes.

PERSONAL PROJECTS

Sign Language Detection

05/2023 - 06/2023

- Developed a Sign Language Detection project utilizing Yolov5 for object detection.
- Implemented a comprehensive pipeline and deployed the code on AWS, leveraging Docker and ECR for containerization and EC2 instances for deployment.
- Managed data and model storage using S3 buckets and created a user interface using Flask.
- Maintained a robust CI/CD pipeline with GitHub actions.
- Showcased expertise in deep learning, cloud deployment, Dockerization, AWS services, and continuous integration in project development and deployment.

Thyroid Detection

01/2023 - 03/2023

- Built a machine learning model to detect thyroid abnormalities using a dataset performing Data Cleaning, Feature Engineering, Preprocessing and Model Building.
- Fine-tuned the model using a Decision Tree with a maximum depth of 8, achieving the highest accuracy.
- Deployed the model on AWS using a Docker image on ECR and running it on EC2 and used GitHub Actions for CI/CD implementation. Used Flask to allow users to interact with the model through webpage.
- Technologies and libraries used are Python, scikit-learn, MongoDB, Pandas, Docker, GitHub Actions, AWS.

Scania APS Fault Detection

12/2022 - 01/2023

- Executed a comprehensive machine learning pipeline for fault detection in Scania APS.
- Utilized XGBoost Classifier with simple imputer with strategy as constant to train model on dataset, resulting in a high prediction accuracy and observing the least cost.
- Created Docker image. Airflow used as scheduled training of the pipeline. Implemented batch prediction. Used GitHub Actions for CI/CD implementation.
- Technologies and libraries used are Python, scikit-learn, MongoDB, Pandas, Docker, GitHub Actions, Airflow, AWS.

Dashboarding City Bike Dataset

01/2023

- Created a dashboard in Tableau with analyzing many possible parameters to create a relationship among the data.
- Dashboarding included visualization of parameters and added in Storyline for relevant KPIs such as Average Trip Duration by age, year-wise distribution, station-wise performance, location-wise and hour-wise distribution, and user demographics.

SKILLS

Python

MySQL

Statistics

Machine Learning

Deep Learning

Computer Vision

PyTorch

Tensorflow

Keras

NLP

MS Excel

Tableau

EDUCATION

Bachelor of Engineering, Mechanical Engineering

PES Institute of Technology

06/2017- 08/2021

Bangalore, India

- Secured an overall CGPA of 8.46.

CERTIFICATIONS and ACHIEVEMENTS

- Full Stack Data Science: iNeuron.
- SQL for Beginners: Learn SQL using MySQL and Database: Udemy.
- Responsive Web Design- HTML+CSS3: Udemy.
- F-22 raptor RC plane using balsa wood and depron sheet: AEROENGINEERS (Engineering Research and Skill Development).
- Team member at ENIGMA (official Automotive club of PES) handling transmission department for BAJA SAE competition.
- Developed RC Drone for agricultural purpose and represented college in different events.
- Won 2nd price in college inter-departmental singing competition.

ADDITIONAL INFORMATION

D.O.B: 13/01/1998

Nationality: Indian

Languages known: English, Hindi.