

GAUTAM MAHAJAN

PYTHON | DATA SCIENCE | ML



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PROFILE

- 3+ years of Industry Experience as Data Analyst using ML Algorithms.
- Working Experience & Extensive knowledge in Python with libraries such as SkLearn, Matplotlib, Seaborn, NumPy, Pandas. Worked on tools like Jupyter Notebook.
- Delivered efficient solution for projects and done critical projects successfully.
- Have excellent communication and agile team working experience.

SKILLS

Python, ML, NumPy, Pandas, Scikit-learn, Seaborn, Matplotlib

KNOWLEDGE

Database: SQL
Visualization: Tableau, Power BI

EDUCATION

B.Tech. Mechanical Engineering
Punjab Technical University, Punjab
2007-2011

WORK HISTORY

Data Analyst

13 Infosoft, Noida

October 2018 – Present

Fraud Detection

The fact is that fraudulent transactions are rare; they represent a very small fraction of activity within an organization. The challenge is that a small percentage of activity can quickly turn into big losses without the right tools and systems in place. In this project we helped detecting fraud activities with various ML models and helped organization reduce losses.

Roles & Responsibilities

- Actively Involved in daily standup calls and tasks.
- Filtered data sent by client. Optimized & Pre-processed data before building a model.
- Filtered images and checked Similarity Score for tampering.
- Used dimensionality reduction techniques such as PCA.
- Applied various anomaly detection algorithms like DBSCAN, k-NN for detection suspicious activity.
- Analyzed model Prediction accuracy using metrics such as Precision, Recall, Confusion Matrix, Roc, etc.

Supply Chain Management

This project is to help automobile industry to increase their profit by predicting the parts whose demand will rise soon and hence making it available at service center for customers.

Roles & Responsibilities

- Actively Involved in daily standup calls and tasks.
- Analyzed & Filtered 4 crore rows of data sent by client per file.
- Performed Feature Engineering on data having 170 columns using Python libraries like NumPy, Pandas, Seaborn.
- Used dimensionality reduction techniques such as PCA, K - means.
- Build and trained model using various ml algorithms and Ensemble Learning techniques like XGBoost and Random Forest.
- Analyzed model Prediction accuracy using metrics such as RMSE, R2 Score, Confusion Matrix, Roc, etc.

Senior Engineer

1energizer- Samsung Process, Noida

August 2017 – March 2018

- Technical support, provide troubleshooting steps to solve hand held phones queries.

Design Engineer

Singh Industries, Amritsar

April 2013 – July 2017

- Responsible for achieving production requirements.
- Created CAD drawings to convey manufacturing and production requirements.