

SHIVAM CHAUDHARY

DATA CONSULTANT AT ECON ONE RESEARCH INDIA PVT. LTD

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SUMMARY

Data Scientist | Data Analyst | Machine Learning Engineer | Data Engineer.

Detail-oriented Data Science professional with expertise in data analysis, mining, and visualization. Skilled in ML, NLP, and deep learning algorithms, proficient in Python, SQL, and Tableau, with a strong background in statistics. Experienced in developing robust ML models and conducting in-depth statistical analysis.

EXPERIENCE

Data Consultant - Promoted from Economic Analyst Intern., **Econ One Research**, Delhi

Dec. 2023 - Current

Data Science Intern, **Flip Robo Technologies**, Bangalore

Aug. 2022 - Feb. 2023

- **Develop a machine learning-based loyalty program analysis model and implement it using Dash for application deployment.**
- Conducted **data preprocessing and cleaning** to ensure **robust analysis**, **data suitability**, and integrity for **economic analysis**.
- Utilized diverse **machine learning** techniques (**regression, decision trees, clustering, NLP**) for **predictive modeling**.
- Employed **data visualization** and **exploratory data analysis** to communicate insights effectively to **non-technical stakeholders**.
- Assisted in **model implementation**, **performance monitoring**, and **accuracy optimization**.
- Actively contributed insights from **data analysis in cross-functional team meetings**.
- Applied **web scraping** (**Selenium, BeautifulSoup**) and **supervised/unsupervised learning** for **trend identification** in complex datasets.

SKILLS

TECHNICAL: Machine Learning, Natural Language Processing, Deep Learning, Data Science, Python, SQL, Computer Vision, Statistics, Data Visualization, Data Analysis, Web Scraping, BeautifulSoup, Selenium, OpenCV, NLTK, Probability, Reinforcement Learning, Data Processing, Data Transformation, Data Presentation, Model Selection, Data Manipulation, Predictive Modeling, Business Decision-Making, Neural Networks

LIBRARY, FRAMEWORK, AND ALGORITHM: Numpy, Pandas, Seaborn, Matplotlib, Keras, Tensorflow, Scikit-learn, CNN (Convolutional Neural Network), RNN (Recurrent Neural Network), Classification, Regression, Decision Tree, KNN (K-Nearest Neighbors), K-means, SVM (Support Vector Machine), Linear Regression, Logistic Regression, Random Forest

SOFTWARE: Jupyter Notebook, Tableau, Microsoft Office Suite (Word, Excel, PowerPoint), Spyder, pgAdmin

SOFT SKILLS: Critical Thinking, Analytical Thinking, Problem Solving, Communication, Attention to Detail, Adaptability, Time Management, Collaboration, Continuous Learning, Teamwork, Algorithmic Thinking

EDUCATION

PG Program in Data Science, ML & Neural Networks
DataTrained Education pvt. Ltd, Noida

2022 - 2023

Master of Computer Application (MCA)
Maharaja Agrasen Himalayan Garhwal University, Uttarakhand

2020 - 2022

CERTIFICATION

Applied Machine learning with Python - IBM

NLP With Machine Learning - Data Trained Education pvt Ltd

Business Analytics With Tableau - Data Trained Education pvt Ltd

Deep Learning and Computer Vision - Data Trained Education pvt Ltd

PROJECTS

Credit Score Classification Using Machine Learning

Developed a Credit Score Classification project using machine learning methodologies to enhance financial risk assessment. Leveraging techniques such as data preprocessing, feature engineering, and model selection, I analyzed extensive datasets to predict creditworthiness accurately. This project aimed to optimize decision-making processes in assessing loan approvals and managing financial risks effectively.

Cerebral Stroke Prediction using Machine Learning

Developed a robust machine learning model for predicting cerebral strokes, addressing the challenge of class imbalance in the "Cerebral Stroke Prediction" dataset. Employed specialized techniques to ensure accurate predictions, with a focus on evaluating key performance metrics including accuracy, sensitivity, and specificity. By identifying crucial factors contributing to stroke occurrences, provided actionable insights for healthcare providers to elevate patient care standards and mitigate stroke prevalence.

Sentiment Analysis using NLP and Machine Learning

Led a comprehensive sentiment analysis project leveraging Natural Language Processing (NLP) and Machine Learning methodologies. Constructed a robust data preprocessing pipeline to clean and preprocess textual data. Implemented cutting-edge machine learning models to accurately assess sentiment polarity in textual content. Successfully applied various NLP techniques, including text preprocessing, feature engineering, and sentiment classification. Demonstrated adept skills in NLP algorithms, model training, and sentiment analysis for insightful interpretation of textual data..