Utkarsh Singh

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EDUCATION

BHARATI VIDYAPEETH UNIVERSITY, PUNE
B.Tech IN ELECTRONICS
Aug 2018 - Aug 2022 | Pune
GPA: 8.0/10

S.S SCHOOL
HSC - PCM and Computer Science
May 2018 | Lucknow

LINKS

Click to open Links
Website:// utkarshsingh.me
LinkedIn:// utkarshx27
Github:// utkarshx27
Kaggle:// utkarshx27
HackerRank:// @utkarshx27
Medium:// utkarshsinghx27

SKILLS

PROGRAMING LANGUAGES:
Python • C++ • Javascript
DATABASE:
SQL • PostgreSQL • MongoDB
LIBRARIES:
NumPy • Pandas • Matplotlib • Seaborn • GGplot • Scikit-Learn • Tensorflow • Hugging Face • spaCy
Additional Skills:
Azure AI • Power BI • HTML • CSS • Git/GitHub• Data Scraping • Networking • OS Fundamentals • Microsoft Office • Flask • Jupyter Notebook

HOBBIES/INTERESTS

• Blockchain • Smart Contract Functionality • Stock Market Analyst • Industry Trends Analysis • Economics • Web 3.0, DeFi and NFTs

PUBLICATIONS

• Research Papers: Intelligent Waste Management using Machine Learning and IOT | **Link**
• Analyzing Supply and Demand Factors in the US Housing Market | **Link**

PERSONAL PROJECTS

KAGGLE | Link | Jan 2023 - Present
I am an active participant on Kaggle, where I apply advanced machine learning techniques, including CNNs, SVMs, RF, LR, NNs, and NLP to address real-world problems. My consistent ranking in the top 20% across various domains such as Linear Mixed Models, Multi-label Classification, Time Series, and Regression showcases my strong analytical skills and ability to excel in competitive data science scenarios. I have worked on more than 50 machine learning models, each tailored to diverse datasets and problem domains.

E-COMMERCE PRICE OPTIMIZATION ML MODEL | Link
This project created a price prediction model for e-commerce, using LightGBM regression, with data preprocessing and feature engineering to minimize mean squared error, yielding insights into pricing trends.

CUSTOMER CHURN ANALYSIS WITH PYSPARK | Link
Led a PySpark-based customer churn prediction project. Managed data preprocessing, EDA, and model training with DecisionTreeClassifier. Achieved rigorous evaluation via AUC. Optimized model with hyperparameter tuning. Prepared for real-time deployment.

BERT SENTIMENT ANALYSIS | Link
Conducted Sentiment Analysis using BERT on the Twitter Emotion data. The project involved data preprocessing, fine-tuning, and performance evaluation with F1-score and accuracy metrics.

TENSORFLOW MODEL DEPLOYMENT AND WEB INTERFACE WITH FLASK | Link
Deployed a CNN Dog vs. Cat Classifier with TensorFlow Serving, creating a user-friendly web interface.

EXPERIENCE

CODECLAUSE | Data Science Intern
April 2023 - May 2023
- 1: Churn Prediction in Telecom Industry using Logistic Regression
- 2: CV Parsing using Spacy
- 3: Market Basket Analysis in Python using Apriori Algorithm
- 4: AI-Powered Image Generation and Storytelling

LICENSES & CERTIFICATIONS

- Microsoft Certified: Azure AI Fundamentals | **Link**
- Deep Neural Networks: Tuning, Regularization, Optimization | **Link**
- Neural Networks and Deep Learning | **Link**
- IBM: Databases and SQL for Data Science |2 months| | **Link**
- Applied Data Science with Python(Specialization) |8 months| | **Link**

ACHIEVEMENTS / AWARDS

Kaggle Competitions Top 20%
Kaggle Datasets Expert (Rank 38 out of 97,467)
Kaggle Notebook Expert (Rank 382 out of 296,325)
5 Star problem solving in Hackerrank.