

Utkarsh Singh

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EDUCATION

BHARATI VIDYAPEETH UNIVERSITY (COEP)

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:// utkarshx27.github.io

LinkedIn:// [utkarshx27](#)

Github:// [utkarshx27](#)

Kaggle:// [utkarshx27](#)

HackerRank:// [@utkarshx27](#)

Medium:// [utkarshsinghx27](#)

SKILLS

PROGRAMMING LANGUAGES:

Python • C++ • Javascript

DATABASE:

SQL • PostgreSQL • MongoDB

LIBRARIES:

NumPy • Pandas • Matplotlib •

Scikit-Learn • Tensorflow • Hugging Face

• NetworkX • spaCy

Additional Skills:

Azure AI • HTML • CSS • Git/ GitHub •

Data Scraping • Networking • Linux • OS

Fundamentals • Microsoft Office • Flask •

Django • Jupyter Notebook • Statistics •

Data Visualization • Data Analytics •

Algorithms • Problem Solving

HOBBIES/INTERESTS

- Crypto-Verse (7 Years Experience) •
- Smart Contract Functionality • Stock
- Market Analyst • Industry Trends Analysis
- Economics • Web 3.0, DeFi and NFTs

BLOGS

- Supply-Demand Factors on US Home | [Link](#)
- Software Development Life Cycle (SDLC) | [Link](#)

PERSONAL PROJECTS

KAGGLE | [Link](#)

I possess hands-on experience working with a wide array of advanced ML models, including CNNs, SVMs, RF, LR, Neural Networks, and NLP techniques. My Kaggle projects, which exceed 100 datasets, have consistently delivered effective solutions to real-world challenges.

I am well-versed in hyper-parameter tuning, optimizing model performance to achieve superior results. Additionally, I have a strong track record of success in competitive environments, consistently endup in the top 20% across diverse domains such as Linear Mixed Models (LLMs), Multi-label Classification, Time Series, and Regression.

E-COMMERCE PRICE OPTIMIZATION ML MODEL | [Link](#)

Utilised LightGBM to automate pricing recommendations for an e-commerce platform. The system evaluates product qualities, consumer behaviour, and sales history to generate improved pricing suggestions.

RESUME PARSER USING NLP AND MACHINE LEARNING | [Link](#)

Natural Language Processing (NLP) system that parses resumes and searches for suitable abilities indicated in the job description using Spacy and machine learning. For each résumé, I used Spacy's Phrase Matcher function to match words and count their occurrences under various categories.

LANGUAGE MODEL FOR TEXT GENERATION USING TRANSFORMERS | [Link](#)

Built a language model on Shakespeare's poems using the Transformer architecture. Trained with AdamW optimizer, minimizing cross-entropy loss. Generated new Shakespearean-style text with impressive fluency.

EXPERIENCE

CODECLAUSE | DATA SCIENCE INTERN

April 2023 - May 2023

- Project 1: Churn Prediction in Telecom Industry using Logistic Regression
- Project 1: Market basket analysis + recommendation using Apriori Algorithm

LICENSES & CERTIFICATIONS

- Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization | [Link](#)
- Neural Networks and Deep Learning | [Link](#)
- Microsoft Certified: Azure AI Fundamentals | [Link](#)
- IBM: Databases and SQL for Data Science | 2 months | [Link](#)
- Applied Data Science with Python(Specialization) | 8 months | by University of Michigan on Coursera | [Link](#)
- Data Structures | [Link](#)

ACHIEVEMENTS / AWARDS

Kaggle Datasets Expert (Rank 38 out of 97,467)
Kaggle Notebook Expert (Rank 453 out of 296,325)
5 Star python programmer in Hackerrank.
4 Star in Problem Solving (Hackerrank)
1 rank in Regex (Hackerrank)