ADARSH SRIVASTAVA

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EDUCATION

Gurukula Kangri (Deemed to be University)   **12 2021 – 05 2025**
B.Tech (Electronic and communication Engineering)   *Haridwar,India*

TECHNICAL SKILLS

Languages and Tools: Python, SQL, Tableau, Power BI, Git, Github,Docker.
Library and Frameworks: Numpy, Pandas, Matplotlib, Seaborn,Tensorflow, Sk-Learn, Pytorch, NLTK
Data Science fundamentals: Data wrangling, EDA, Statistical Modelling, Machine Learning, Deep Learning, Agentic ai, Langchain, CI , CD
Databases: MySQL, PostgreSQL, MongoDB

FREELANCE EXPERIENCE

Inventory Optimization for Supermart | Python, SQL, Power BI   **06 2025**

- Conducted analysis on 2 years of retail data to reduce spoilage in perishable items like vegetables, resulting in a 25% waste reduction.

- Used SQL to extract insights on product demand trends, enabling increased production of high-selling items such as milk and soft drinks, leading to a 15% sales boost.

- Designed Power BI dashboards for inventory and sales monitoring, improving decision-making across departments.

- Implemented a pre-order system using WhatsApp and Google Sheets to streamline home delivery logistics, saving time and enhancing customer convenience.

- Automated routine reporting using Python scripts, reducing manual effort and improving accuracy.

PROJECTS

Phishing Detection ⤢ | Python, Scikit-learn, Pandas, NumPy

- Developed a phishing detection system by training and evaluating multiple machine learning models on a custom-labeled dataset containing both phishing and legitimate URLs.
- Performed extensive **feature extraction** from URLs based on domain structure, address bar attributes, and HTML content, including indicators like HTTPS presence, anchor URLs, and website traffic metrics.
- Built and compared models including **Gradient Boosting, CatBoost, Random Forest, SVM,** and **Neural Networks, achieving up to 97.4%** accuracy using Gradient Boosting Classifier.
- Conducted **Exploratory Data Analysis (EDA)** to understand the influence of different features on phishing behavior and optimized model performance through **hyperparameter tuning**.
- Gained strong proficiency in **classification tasks, model evaluation (F1 score, precision, recall)**, and deploying intelligent systems for **cybersecurity applications**.

Breast Cancer Image classification ⤢ | Python, TensorFlow, Keras, DenseNet121

- Developed a multiclass image classification model to detect breast cancer from ultrasound images, categorizing them into benign, malignant, and normal classes.
- Leveraged Transfer Learning using DenseNet121, freezing initial layers for generalized feature extraction and fine-tuning deeper layers for domain-specific learning.
- Applied Convolutional Neural Networks (CNNs) to enhance model accuracy and robustness in medical image diagnostics.
- Achieved high performance in detecting breast anomalies, contributing to efficient and accurate breast cancer screening through AI-driven methods.
- Gained experience in medical imaging, deep learning workflows, and model fine-tuning techniques for domain adaptation.

CERTIFICATIONS

- Data Science - IBM
- Data Science Master - Physics Wallah
- Mathematics for Data Science And GenAI