

# DIVYA SHARMA

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**SUMMARY** — An individual with over 3 years in the field of data analytics and development. Having worked across diverse sectors such as Medical, Banking, and Finance, my forte lies in crafting advanced machine learning and deep learning solutions, leveraging cutting-edge techniques in Natural Language Processing, Computer Vision and Generative AI.

## TECHNICAL SKILLS

**Programming** Python, SQL

**Generative AI** LLMs - Google Text Bison, PaLM 2, Gemini

**Cloud Tech.** GCP Cloud Storage, GCP Cloud Run, GKE

**Tools** Jupyter Notebook, VSCode, JIRA

**MLOps** Docker, Kuberflow, Gitlab

**Libraries** Sklearn, Tensorflow, Hugging Face, Pytorch, Pyspark, Numpy, Pandas, Matplotlib

## WORK EXPERIENCE

### QUANTIPHI ANALYTICS SOLUTION PVT. LTD.

Aug 2021 – Present

*Sr. Machine Learning Engineer*

#### DOCIPHI - Document Extraction using AI

- Implemented a **document extraction system** to automatically extract relevant information from unstructured text
- Developed tailored **classification** and **extraction pipelines** to optimize document processing workflows
- Utilized **Computer Vision** models, **finetuned** and **deployed LLMs** to fit custom usecase
- Conducted model **training** on GPU, **hyperparameter tuning**, and **performance evaluation**
- Deployed and scaled ML models in production through platforms like GCP K8, Flask, Rest API etc.

#### Snowflake Snowpark Capability Building

- Showcased robust capabilities of Team BFSI,R&D through the delivery of high-quality results for **Snowflake Summit**
- Led projects spanning various domains, including **Claims Litigation**, **Customer Churn**, **Bank Fraud Detection** and **Email Named Entity Recognition (NER) extraction**
- Applied a variety of advanced modeling techniques, **Random Forest**, **Xgboost**, **LightGBM**, **Support Vector Machines (SVM)**, **K- Nearest Neighbors (KNN)**, and **Term Frequency-Inverse Document Frequency (TF-IDF)**, to develop accurate predictive models tailored to specific project requirement

### HARVESTING INDIA

May – June 2020

*Data Science Intern*

#### Farm Score Evaluation across Bathinda, Punjab

- Estimated scores of farms located in Bathinda using farm boundaries and other remote sensing data
- Evaluated **farm area**, **mean farm elevation**, **mean NDVI** and **distance from important amenities** to calculate score
- Developed Farm Score formula using **Analytical Hierarchy Processes**

## EDUCATION

### Indian Institute of Technology, Kanpur

*M.Tech in Industrial and Management Engineering*

2019-2021

7.67 (CPI)

### University College of Engineering, Kota

*B.Tech in Mechanical Engineering*

2013-2017

69.65%

## ACADEMIC WORK

### Research Paper – Strategic control of carbon emissions through taxation is remanufacturing system    November 2022

- Studied impact of government carbon taxation policy & remanufacturer's remanufacturing strategy on pollution control.
- Developed a decentralized model consisting of a manufacturer, who launches a new product and a retailer in a two-period game setting
- The study suggested that appropriate carbon tax policies can effectively reduce carbon emissions in supply chains without significantly harming the economic interests of the involved parties

## ACHIEVEMENTS

- Received **Avengers** and **Justice League** award from Quantiphi during 2022 annual performance review
- Volunteered at **SHIKSHA SOPAN**, a NGO run by **Prof. H.C. Verma**, that imparts value-based education to underprivileged children.