SOURABH PANWAR

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Passionate about leveraging my technical skills, problem-solving abilities, and dedication to deliver innovative solutions while enhancing expertise in cutting-edge technologies.

EDUCATION

Program	Institute	Year of Completion	CGPA/ Percentage
BTech CSE	DIT University, Dehradun	2021	7.46
XII (Higher Secondary)	Saraswati Vihar School, Saharanpur	2017	86%
X (Secondary)	DAV Public School, Saharanpur	2015	9.6

WORK EXPERIENCE

Technology Analyst, Infosys Pvt. Ltd. 05/2022 – Present

- Part of the DNA (Data and Neural Analytics) Solutions team, developed a Feature Store solution for registering, profiling, and managing features improving data accessibility by **60%**
- Created and handled the APIs for Feature and Feature Store management. Dockerized the Unified Feature Store solution, deployed it in a Unix VM server, and enabled API management. Used BigQuery and Snowflake for feature retrieval and registration, leading to a **45%** reduction in deployment time.
- Built and deployed machine learning models, handling end-to-end processes including data preprocessing, algorithm selection, model training, evaluation, validation, and production deployment, resulting in a **15%** increase in model accuracy and a **30%** reduction in deployment time.
- Implemented model prediction explainability using LIME and SHAP.
- Developed GCP Vertex AI and Azure DevOps pipelines for end-to-end inferencing (preprocessing, prediction, postprocessing), as well as model preprocessing and training pipelines achieving accuracy by **90%.**

SKILLS

Programming Language	Python Programming
Database	MySQL, Snowflake
Framework	Flask, HTML, CSS
Library	Pandas, Numpy, Matplotlib, Scikit-learn, TensorFlow/PyTorch
Cloud Platforms	**GCP** : BigQuery, CloudRun, Buckets, GKE, Compute Engines
	Azure : Databricks, DevOPs, Container Registry, Container App, Kubernetes Service, Blob Storage, Virtual Machines
Tools	Kubernetes, MS Power BI, Jupyter Notebook, WinSCP , Putty, Git & GitBash
Others	MLOps, ML Algorithms, Explainable AIs (Lime & SHap), RAG using Langchain

PROJECTS

- **Breast Cancer Diagnosis Using ML Algorithm:** Implemented KNN and SVM algorithms with K-Cross Validation for statistical evaluation. Utilized NumPy, pandas, matplotlib,and SciPy, along with PCA for dimensionality reduction.
- **Sentiment Analyzer by Using Image Recognition:** Trained a deep learning model for sentiment analysis with TensorFlow and Keras. Applied binary cross-entropy and Adam optimizer to minimize error and improve accuracy.

ROLES AND RESPONSIBILITIES

- Volunteer at Techfest 2k19 at DIT University.
- Cultural Coordinator at Youthopia 2k18(Annual Cultural Fest) at DIT University.