**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**

Senior Systems Engineer, 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**

**Programing Language** Python Programming

**Database** MySQL

**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, Jupyter Notebook, WinSCP , Putty, Git & GitBash

**Others** MLOps, Machine Learning Algorithms, Explainable AIs (Lime & SHap)

**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.