

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.