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

- Working in DNA (Data and Neural Analytics) Solutions team.
- Worked on creating a Feature Store solution that is used for registering, profiling, detailing, etc. for features related to particular Feature Store.
- Worked on creating the APIs for management of Features and Feature Store & Worked on the dockerization of Unified Feature Store Solution, deployed the docker image in Unix VM and enabled the management APIs from VM server to be used as a solution. Used the Big Query and Snowflakes as data source for features retrieval, registration, etc.
- Worked on creating machine learning models which includes preprocessing of data, selecting appropriate algorithm for model, training the model, evaluating the model, validating the model and deployment of model into a production environment where it can be used to make predictions on new data.
- Worked on model predictions explainability using Lime & Shap.
- Created vertex AI pipeline for end-to-end process of Inferencing which includes preProcess, predictProcess and postprocess. Also created pipeline for preprocessing and training process of a model.

TECHNICAL SKILLS

- Python Programming
- SQL
- Google Cloud Platform (GCP)
- MLOps
- Dockerization
- Explainable AIs (Lime & Shap)
- Azure Databricks MLFlow
- Vertex AI Pipelines
- MS EXCEL
- Power BI

PROJECTS

- **Breast Cancer Diagnosis Using ML Algorithm**
  - ✓ Used KNN and SVM Algorithms.
  - ✓ For Statistical method, Used K-Cross Validation.
  - ✓ Used Libraries like: NumPy, pandas, matplotlib, TensorFlow, SciPy.
  - ✓ For Dimensionality Reduction: PCA(Principal Component Analysis) method is used.

- **Sentiment Analyzer by Using Image Recognition**
  - ✓ Trained a sentiment analysis model on dataset.
  - ✓ Used Various Libraries TensorFlow, Keras by using Deep Learning.
  - ✓ Used Binary cross entropy and Adam optimizer to reduce error and increase Accuracy.

ROLES AND RESPONSIBILITIES

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

INTERESTS

- Playing Outdoor Games.
- Listening Music.
- Love to Socialize.