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

- Designed and optimized **MySQL** database for high-traffic applications, improving query performance by **30%** through indexing and schema normalization.
- Developed RESTful APIs using **Flask** to handle backend logic for a high-traffic application, supporting **10K+** monthly active users.
- Deployed and managed cloud-native applications on **GCP**, utilizing Compute Engine, BigQuery, and Vertex AI Pipeline to ensure **95%** uptime and cost-efficient scaling.
- Managed full-stack projects with **Django**, using its built-in tools to create secure and easy-to-maintain web apps.
- Developed Vertex AI pipelines for end-to-end inferencing (preprocessing, prediction, postprocessing), as well as Model preprocessing and training pipelines achieving accuracy by **90%**.
- Built interactive website features using **JavaScript**, improving user engagement by **30%**.
- Created interactive **Power BI** dashboards to visualize business metrics, enabling data-driven decision-making for stakeholders and reducing reporting time by **60%**.

TECHNICAL SKILLS

- Python Programming
- MySQl
- Flask API
- MLOps
- Dockerization
- Django
- GCP
- GoLang
- JavaScript
- Power BI

PROJECTS

- **Breast Cancer Diagnosis Using ML Algorithm:** Implemented KNN and SVM algorithms with K-Cross Validation for statistical evaluation. Utilized NumPy, pandas, matplotlib, TensorFlow, 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.
- Discipline Coordinator at Youthopia 2k19(Annual Cultural Fest) at DIT University.