Ekta Patel

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🐙 https://github.com/ekta1604

EDUCATION

Master of science, Computer Science | GPA:3.3/4   08/2023 – 05/2025
University of Texas at Arlington 🔗   Arlington,
                                                                    United States

Bachelor of Technology, Computer Science and Engineering | GPA:8.74/10   08/2019 – 06/2023
LDRP Institute of Technology and Research 🔗   Ahmedabad, India

PROFESSIONAL EXPERIENCE

Python Software Development Intern   01/2023 – 06/2023
Resowl Solutions LLP 🔗   Ahmedabad, India
- Developed a Python ETL pipeline, extracting JSON data, transforming it into CSV, and seamlessly integrating it into a SQL database.
- Integrated diverse retail data into a single dashboard, transforming raw information into actionable insights.

Junior developer Intern   07/2022 – 12/2022
Axisray   Ahmedabad, India
- Developed a real-time Product Management dashboard using Flask and MySQL, providing a visual interface for tracking selected product metrics.

SKILLS

- Programming Languages: Python, Java | Data Visualization: Matplotlib, Plotly, Streamlit
- Framework: Flask, Spring | Database: MySQL | Web: HTML, CSS, Javascript, Bootstrap | Version Control: Git, GitHub
- Tools/Editors: Jupyter Notebook, Pycharm, Eclipse, VS Code, DBeaver, Postman, Docker

PROJECTS

Cricket Data ETL Pipeline with Database Integration
- Created a Python-based ETL pipeline to extract, transform, and load Indian Premier League (IPL) cricket match data from JSON files into CSV format, and seamlessly integrated the processed data into a database.
- Automated the entire process while maintaining a log of processed files, ensuring a streamlined and organized approach to data management.
- Technologies - Python, SQL

Dessert Outlet Database Management System
- A comprehensive database system for a dessert outlet, showcasing proficiency in problem analysis, designing an optimized.
- Entity-Relationship Diagram (EER) in the final revision, executing effective Initial and Final Relational Mapping with BCNF
- Normalization, and delivering well-documented script files in SQL for seamless system operation and maintenance.

Retail Dashboard
- A performance tool to visualize and report all essential retail KPIs in one central interface and turn this collected data into actionable insights.
- Technologies - Python, Streamlit

Product Management dashboard
- A visual tool for real-time tracking of the performance of selected product metrics.
- Technologies - Flask, MySQL

CERTIFICATES

- AI For Everyone by DeepLearning.AI
- Technical Support Fundamentals by Google
- Python for Data Science by NPTEL