Harshal Meshram

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EDUCATION

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING   **Sep 2023 - Feb 2024**
Big Data Analytics (PG Diploma)

SKN COLLEGE OF ENGINEERING   **Aug 2019 - Apr 2022**
Mechanical Engineering (BE)

TECHNICAL STACK

- Skills: Python, Pandas, Linux, SQL, Advanced SQL, MYSQL, MongoDB, Hadoop, Hive, PySpark
- Databases: Oracle, NOSQL
- Coding Platforms: Jupyter Notebook, Google Colab, Visual Studio, Databricks
- Basic Knowledge of AWS Services and Cloud Computing Concepts, Data Warehouse, Machine Learning, Tableau, Excel

ACADEMIC PROJECTS

Customer Churn Data Analysis For Telecom Services   **Jan 2024 - Feb 2024**
Built and automated an ETL pipeline using AWS S3, AWS Glue, Redshift & Airflow.

- Extracted customer data from S3 buckets using crawlers and inferred schema.
- Transformed and loaded data into a Redshift data warehouse for analysis.
- Visualized churn insights through Power BI dashboards and reports.
- Orchestrated and automated the process with Apache Airflow for continuous data flow.

Key Skills:Python, AWS S3, AWS Glue, Redshift, Power BI, Airflow, PySpark.

PCM Heat Exchanger   **Jan 2022 - Feb 2022**
Efficient heat transfer innovation for enhanced PCM heat exchanger project.

- In cooking, heat loss from burners through radiation and convection is inevitable, leading to energy wastage.
- To tackle this issue, our project focuses on capturing and efficiently storing this excess thermal energy. Our solution incorporates Phase Change Material (PCM), a wax-like substance renowned for its excellent heat storage properties.
- The PCM acts as a reservoir, absorbing surplus heat generated during cooking. As the PCM absorbs thermal energy, it undergoes a phase change from solid to liquid, effectively storing the energy. When additional heat is required for culinary operations, the stored energy is released as the PCM undergoes a reverse phase change, serving as a supplemental heat source. Integrating this PCM-based system into culinary settings minimizes heat loss during cooking, offering a sustainable and energy-efficient solution.

EXTRA-CURRICULAR ACTIVITIES

Stocks Trading, Swing Trading

- This involves buying and selling assets over short- to medium-term periods to capture price swings in financial markets, offering opportunities for skill development and potential additional income with careful risk management.

Playing Cricket

- As an avid participant in school cricket.Representing my school in various tournaments, I not only showcased my athletic abilities but also fostered camaraderie and sportsmanship among teammates. I learned the value of perseverance and discipline, contributing to memorable victories and character-building experiences that extend far beyond the cricket pitch.

CERTIFICATIONS

- NISM-Series-VIII: Equity Derivatives Certification Examination
- Cutshort Certified Python - Advanced
- Kaggle Certified: Pandas

LANGUAGES

- English (Business Professional)
- Hindi (Native)
- Marathi (Native)