

LAHARI PEDINEEDI

Data Engineer

Location: Hyderabad, Telangana

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SUMMARY

Experienced professional with 2+ years of expertise as a Data Engineer and software developer. Skilled in refining data processing pipelines and delivering reliable software solutions. Well-versed in Big Data tools, ETL, SQL, Python, and cloud platforms, and eager to contribute technical expertise in a dynamic work environment.

KEY SKILLS

ETL & Data Integration: ETL Pipelines, Azure Data Factory, Airflow, Shell Scripting & Airflow

Data Warehousing & Data Modeling: Data Modeling, Star/Snowflake schemas & Normalization

Big Data Technologies: Spark, Hadoop, Apache Airflow, Azure Databricks and IBM Cognos

Organization Skills: Critical Thinking, Problem-Solving, Ownership & good communication skills

PROFESSIONAL EXPERIENCE

FUTURENSE TECHNOLOGIES

Bengaluru, KA

Data Specialist

Jul 2023 – Present

Skills: Python, MySQL, Power BI, Hadoop, HDFS, Hive, Spark, Data Mining, Azure Services

- Conducted **data modeling** to structure and import data into a **MySQL** database
- Leveraged advanced SQL techniques including Common Table Expressions (**CTEs**) and window functions to address diverse challenges related to loan claims and generated SQL reports using **stored procedures** and functions
- Enhanced data accessibility and scalability by migrating data from MySQL to **Hadoop** HDFS using **Sqoop**
- Utilized **Hive** data warehousing to derive actionable insights by querying, contributing to informed decision-making
- Further improved performance and efficiency by employing **PySpark** on **Azure Databricks** significantly enhancing data processing speed, making it **2x** times faster
- Hands-on experience in crafting efficient data **pipelines**, showcasing my expertise in leveraging Azure stack services such as **Azure Data Factory**/Synapse from and to **data lakes**/Storage for data analysis to their fullest potential.

MITSOGO INC.

Chennai, TN

Python Developer

Nov 2022 – May 2023

Skills: Python, Postgres DB, Linux Shell Scripting, Pydantic, JSON API, Git, SQL, Pytest

- Built a **microservice** from a monolithic full stack web application (~**2,500** lines of code), utilizing a hexagonal architecture, to improve scalability and maintainability which is backed by Python for backend development
- Collaborated with cross-functional teams to design and implement new features and functionalities using **AWS** services, such as **S3** for object storage
- Additionally, performed Postgres database schema changes for **performance tuning** of database transactions and enhance overall performance by **30%** by optimizing complex queries

HARMAN CONNECTED SERVICES

Associate Software Engineer

Bengaluru, KA
Sept 2021 – Oct 2022

Skills: Python, Unix Shell Scripts, Git, pytest

Management Tools: Jira, Confluence

- Worked in an *Agile* development environment following SCRUM methodology, actively participating in the creation of APIs for a custom-built *framework* used for automation in the infotainment domain
- Gained hands-on experience in code review and bug fixes in the production environment using *Git*/Gerrit, ensuring the overall code quality and stability of the system
- Played a significant role in enhancing the *speed* of *API* processes by *70%*, achieving an impressive improvement

THE TRAVEL BACK

Data Science Intern

Vancouver, CA
Aug 20 – Dec 2020

Skills: Pandas, Data Analytics, Web Scraping, Machine Learning, Data Wrangling, Statistical Analysis, Tableau

- Gathered data from 4 to 5 diverse websites and collaborated with multi-disciplinary product development teams
- Integrated trained models in building *hybrid recommendation systems* using Machine Learning and pandas for analysis in Travel domain
- Transformed raw data to conform to assumptions of supervised and unsupervised machine learning algorithms and supported in cleaning input data for natural language processing models.

PROJECTS

DATA PLATFORM DEVELOPMENT AND ANALYTICS FOR E-COMMERCE

May 2023

- Designed a data platform utilizing *IBM Db2* on cloud as the data warehouse, *MySQL* as an OLTP database, and *MongoDB* as a *NoSQL* database for an e-commerce organization.
- Leveraged IBM Cognos Analytics to create reports and perform analytics on the data stored in the IBM Db2 on cloud data warehouse.
- Implemented automated *ETL* pipelines using shell commands, *cron* jobs, and Apache *Airflow* to extract, transform, and load data from MySQL and MongoDB into IBM Db2 on cloud.

EDUCATION

SAI TIRUMALA NVR ENGINEERING COLLEGE

Narasaraopet, AP

Bachelors of Technology, Computer Science & Engineering

Jun 2017 – Jul 2021

- Scored 8.75/10 CGPA

AWARDS

- Rise Award | HARMAN Connected Services | 2022

CERTIFICATIONS

- Data Engineering Professional Certificate | IBM | 2023
- Machine Learning with Python | IBM | 2020