

LAHARI PEDINEEDI

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SUMMARY

Experienced professional with 2 years of expertise in backend development. Demonstrated ability to enhance service speed and efficiency. Self-taught individual seeking opportunities to further develop skills and contribute to impactful data-driven projects. Open to new challenges in the field of Data Engineering, Analytics and Sciences.

KEY SKILLS

Programming Languages & Frameworks:	Python, SQL and Django/Flask
Machine Learning & Web Development:	Machine Learning, Pandas, Pydantic, Startlette and JSON API
Version Control & Collaboration:	Git, Gitlab, Gerrit and GitHub
Data Analytics & Reporting:	Azure Databricks and IBM Cognos Analytics
ETL & Data Integration:	ETL Pipelines, Azure Data Factory, Airflow, Shell Scripting
Data Warehousing & Data Modeling:	ERD, Data Modeling, Star/Snowflake schemas & Normalization
Big Data Technologies:	PySpark, Hadoop (HDFS & Hive), Sqoop and Apache Kafka
NoSQL Databases:	MongoDB, Cassandra
Relational Databases:	PostgreSQL, MySQL and IBM DB2(DBaaS)
Other Skills:	Data Structures, algorithms and object-oriented design
Soft Skills:	Communication skills, problem-solving, Attention to detail
Management Skills:	Time management, Continuous Learning, work independently

PROFESSIONAL EXPERIENCE

FUTURENSE TECHNOLOGIES

Bengaluru, KA

Data Specialist

Jul 2023 – Present

- Migrated and integrated data from **MySQL** to Hadoop **HDFS** using **Sqoop**, resulting in improved data accessibility and scalability.
- Utilized **Hive** for generating actionable insights that directly contributed to informed decision-making within the healthcare project.
- Employed **PySpark** to significantly enhance data processing speed, making it 2x times faster.

MITSOGO INC.

Chennai, TN

Python Developer

Nov 2022 – May 2023

- Built a *microservice* from a monolithic full stack web application ~2,500 lines of code in just 3 months, 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* Cloud services, such as *EC2* for virtual servers, and *S3* for object storage, to enhance the application's capabilities
- Implementation of *REST* and *JSON API* gateway and utilized *Pydantic* for robust data validation, ensuring the integrity and quality of data processed by the backend server
- Conducted extensive testing of the applications, including Behavior-Driven Development (BDD) testing using Gherkin syntax and unit testing (white box testing) using the *pytest* module, ensuring high-quality and robust solutions
- Optimized application performance and scalability through code optimization techniques and efficient database query design, using *PostgreSQL* as the database management system.
- Additionally, performed database schema changes to optimize database transactions and enhance overall performance by *30%*
- Troubleshoot and resolved approximately *10* existing bugs by debugging and added *2* new features to the mobile device management product, enhancing its functionality and addressing user requirements
- Continuously enhanced technical, analytical skills and actively shared knowledge with the team of developers, fostering a culture of learning and growth

HARMAN CONNECTED SERVICES

Associate Software Engineer

Bengaluru, KA
Sept 2021 – Oct 2022

- Worked in an *Agile* development environment, actively participating in the creation of APIs for a custom-built framework used for automation in the infotainment domain. The *framework* leveraged objects from Squish (black box testing) to streamline the automation process
- Gained hands-on experience in reviewing pull requests 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

- Gathered data from 4 to 5 diverse websites and collaborated with multi-disciplinary product development teams to integrate trained models on building hybrid recommendation systems using Machine Learning and statistical analysis in Travel domain
- Transformed raw data to conform to assumptions of supervised and unsupervised machine learning algorithms

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.
- Integrated a *Spark* connection and deployed a ML model for accurate sales projections based on the data stored in IBM Db2 on cloud, enabling data-driven decision-making through comprehensive reports and analytics using IBM *Cognos* Analytics.

WEB APPLICATION | Tech Stack: Django/Flask, Jinja, SQLite, HTML, CSS

Nov 2021

- Developed a Customer Relationship Management interface that acts a mediator between the clients and agents
- Lead a team of 7 members by planning sprints and dividing the tasks effectively to meet the deadlines
- Designed a dashboard portraying the analysis of company's growth in terms of managing clients using Chart.js

MACHINE LEARNING | Tech Stack: Framework Django, MVT, Postgres

Dec 2020

- Used *Django* web framework to create web page that accepts previous sales data to predict backorders
- Implemented *XGBoost* algorithm to generate future backorders and deployed on Heroku
- Used Postgres database to create automatic tables in association with the input data from backend

EDUCATION

SAI TIRUMALA NVR ENGINEERING COLLEGE

Narasaraopet, AP

Bachelors of Technology, Computer Science & Engineering

Jun 2017 – Jul 2021

- Scored 8.75/10 CGPA

AWARDS

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- Rise Award | HARMAN Connected Services | 2022

CERTIFICATIONS

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