**LOGESHWARAN M**

**DATA SCIENTIST | ML ENGINEER**

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**Summary**

Cloud and Data Engineer with over 2+ years of experience, specializing in Python programming, machine learning, and data-driven problem solving. I am skilled in building and optimizing end-to-end data pipelines, with expertise in exploratory data analysis, data pre-processing, and feature engineering. Proficient in ML model development and evaluation, leveraging cloud platforms like Azure to deploy scalable AI and machine learning solutions. Experienced in integrating CI/CD practices using Jenkins, Bitbucket Pipelines, and Docker to ensure efficient and secure software delivery. Strong background in big data technologies such as Apache Airflow, Spark, and HDFS. Adept at delivering innovative solutions that enhance system performance, automate processes, and drive business outcomes through AI and advanced analytics. Passionate about using data to solve complex problems, streamline operations, and deliver actionable insights.

**Technical Skills**

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| **AI Technologies** | Machine Learning, Gen AI |
| **Big Data Technologies** | HBase, HQL, Hadoop, Apache Airflow, spark |
| **Cloud Platform** | Azure, AWS |
| **Scripting Language** | Linux Shell Scripting, Python |
| **Programming Language** | Python, Py Spark |
| **Frameworks** | Flask, Django, SQL Alchemy, TensorFlow, PyTorch, Pandas, Scikit-learn |
| **Version Control** | Git, Bitbucket |
| **CI / CD** | Bitbucket Pipeline, Jenkins, Azure DevOps, Docker, Azure Container Registry |
| **Database Management** | MS SQL server, PostgreSQL |
| **Orchestration** | Apache Airflow, Dataiku |

**Professional Experience**

**InfoCepts | Chennai, India** | **Data and ML Engineer | Employee360 | August 2023 – Present**

* Took ownership in developing secure, scalable RESTful APIs using the Flask framework, employing industry-standard encryption techniques and robust validation protocols to safeguard data and ensure system reliability.
* Leading the migration from raw SQL queries to SQL Alchemy ORM, streamlining database operations, improving maintainability, and reducing security risks through better query management and optimization.
* Implemented a conversational AI chatbot and a "**Next Best Recommended Actions**" utility using **Azure OpenAI** services, enhancing user engagement and offering intelligent recommendations within the E360 platform.
* Designed and automated a CI/CD pipeline to support continuous integration and deployment, ensuring rapid, reliable delivery. Utilized Docker to containerize applications, enabling consistent deployment across environments
* Gained extensive exposure to the full software development lifecycle—from requirements gathering and development to testing, deployment, and post-production monitoring—while collaborating with cross-functional teams for seamless project delivery.
* Trained a **Machine Learning model** to analyze employee retention, identifying key factors affecting turnover and delivering actionable insights for HR decision-making.

**InfoCepts | Chennai, India** | **Data Engineer and | SCB – SI Aum Datamart Automation |January 2023 – June 2023**

* Developed end-to-end data pipelines from source systems to target environments using **Dataiku**, ensuring efficient data movement and integration.
* Implemented optimized data processing solutions, integrating data from various sources to ensure seamless data flow and consistency across systems.
* Conducted knowledge transfer sessions to the team on Dataiku with Python programming, equipping them with the necessary skills to leverage advanced data analytics and machine learning capabilities
* Led the automation of data cleaning and transformation processes, including Exploratory Data Analysis and Feature Engineering using Python. This improved efficiency by approximately 40%, reduced manual data preparation tasks by 20%, accelerated project timelines, and enhanced data accuracy and consistency.
* Developed insightful MSTR dashboards to generate comprehensive reports, enabling better data-driven decision-making through visual insights.

**Certifications**

* [Machine Learning and Deep learning](https://learn.ineuron.ai/certificate/1346de8b-a8ed-458c-9baf-36b9724a6852) – **iNeuron**
* [Advance Designer](https://verify.skilljar.com/c/kjvzg47kxvz6) – **Dataiku**

* [ML Practitioner](https://verify.skilljar.com/c/hsawzkgn5jx6) **- Dataiku**
* Microsoft SQL from A to Z – **Udemy**
* Complete Linux Training – **Udemy**

**Education**

* **Bachelor of Engineering- Computer Science /2022 / 7.9 CGPA**
  + Misrimal Navajee Munoth Jain Engineering College- Chennai
* **HSC / 2018** 
  + V.S Mat. Hr. Secondary School – Thirukkalukundram
* **SSLC / 2016** 
  + V.S Mat. Hr. Secondary School – Thirukkalukundram