Ashwin Prakash

PROFILE

Innovative and passionate **Data Engineer** with 3 + years of experience in the Information Technology industry, seeking to leverage extensive background in data engineering and data analytics. Proficient in Python programming and SQL, I have successfully designed, developed and maintained multiple scalable and efficient ETL pipelines and worked on dashboards with the processed data. Demonstrated strong problem-solving skills by implementing optimised algorithms, data structures and design patterns in Python, significantly improving system performance.

CONTACT DETAILS

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⊕ linkedin.com/in/ashwin-prakash1998/

PERSONAL INFORMATION

Citizenship: **Indian**

Languages: **English**, **Tamil**, **Hindi** , **Telugu**

SKILLS

- **Python, SQL, PySpark, Snowflake, Databricks**
- **BigQuery, MongoDB, PostgreSQL**
- **Airflow, Nifi, Metabase, Jenkins, Gitlab**
- **DevOps, DataOps methodologies**
- **Communication and team collaboration**

ACHIEVEMENTS

Part of the winning team in National Level ABDM Hackathon 2022 representing Karkinos Healthcare.

EXPERIENCE

SOFTWARE ENGINEER
ValueLabs   **2024.11–pres.**
◇ AiDE Vault AMC - Supporting GS1 project maintenance - Django, ReactJS, PowerBI.

DEVELOPER
Karkinos Healthcare Private Limited.   **2022.01–2024.10**
◇ Extensive Experience with Data Engineering: Spearheaded data engineering initiatives as part of the Cloud team, specializing in data ingestion and ETL pipelines, acquiring a robust understanding of data engineering principles and best practices.
◇ Design and implementation of automated near real time monitoring of production pipeline and data ingestion.
◇ Proficient in Database Management and Migration: Successfully managed data migration projects across diverse databases including MongoDB, PostgresDB, Google's BigQuery, and MySQL, showcasing adaptability and proficiency in handling complex data infrastructure.
◇ Comprehensive Ingestion Pipeline Implementation: Led the setup of end-to-end ingestion pipelines, spanning from patient registration to complete healthcare pathways, demonstrating proficiency in orchestrating data workflows and ensuring seamless data integration.
◇ Tech Stack : Data ingestion Automation ETL Pipelines - Airflow, Nifi, Analytics Dashboard - Metabase, Database - BigQuery, MongoDB, PostgreSQL, MySQL, Programming - Python, Java , OpenEHR, Fullstack - Flutter, Flask, Jenkins, Jira, Gitlab, ERPNext.

INTERN
Karkinos Healthcare Private Limited.   **2021.09–2021.12**
◇ Patient data Ingestion Automation Pipelines in Airflow using Python, Database - MongoDB, PostgreSQL, flutter web-page for patient registration.

EDUCATION

MASTER OF SCIENCE. Data Science and Computing.
Sri Sathya Sai Institute of Higher Learning.   **2019–2021**
◇ Project title: *Detection of Heartbeat Anomalies from Heartbeat audio with Machine Learning and Deep Learning Algorithms.*
◇ Stochastic processes, Multivariate Analysis, Inferential Statistics, Machine Learning, Deep Learning, Big Data engineering- Hadoop, Regression Analysis, Data Visualization, Distributed Systems, Operations Research, Cloud Computing - AWS, System Design - Software engineering, High Performance Computing.

BACHELOR OF COMPUTER APPLICATIONS .
Sri Sathya Sai Institute of Higher Learning.   **2016–2019**
◇ Project title: *Asset Information and Management System. web development with Python Flask and MVC Architecture*
◇ Design and Analysis of Algorithms, Algebra and Geometry, Digital Circuits, Data Structures in C and C++, Advanced Java and Python Lab, Probability and Statistics, Database Management System.

CERTIFICATIONS

APPLIED PYTHON DATA ENGINEERING. *Coursera.*   **2024**
◇ Spark, Hadoop, and Snowflake for Data Engineering.
◇ Virtualization, Docker, and Kubernetes for Data Engineering.
◇ Data Visualization with Python.