Jibin Baby
Student

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PROFESSIONAL SUMMARY

A results-driven Data Engineer transitioning into Data Science and Machine Learning (ML), with expertise in building and optimizing data pipelines using Airbyte, DBT, and Google BigQuery. Proficient in Python, Apache Spark, and Azure DevOps, I excel in ETL workflows, data integration, and scalable data solutions. With experience in dashboard design, workflow optimization, and ML implementation, I bring a strong track record in industrial systems and large-scale deployments. Passionate about leveraging data-driven approaches, I thrive in collaborative environments, delivering impactful business outcomes through innovation and technical expertise.

EXPERIENCE

STAFF SOFTWARE TEST ENGINEER

Jan 2024 - Aug 2024 | National Instruments , Bengaluru, India

- Migrated industrial communication drivers to a modernized framework, ensuring alignment with 1ATS requirements.
- Contributed to test automation by streamlining data processes and enhancing system integration.
- Worked on data pipelines, optimizing workflows for better performance and reliability.
- Utilized DBT and Snowflake for bug tracking and relevant data management tasks, enhancing project efficiency and accuracy.
- Played a key role in solving technical challenges related to automation and data-driven processes.

SOFTWARE TEST ENGINEER

Jan 2022 - Jan 2024 | National Instruments , Bengaluru, India

- Collaborated with cross-functional teams, contributing to test automation efforts and improving testing workflows.
- Utilized Python and SQL in developing and maintaining data-driven applications.
- Played a significant role in optimizing test execution through better integration of data processes and frameworks.

EDUCATION

MPS IN APPLIED MACHINE INTELLIGENCE

Northeastern University , Boston, Massachusetts | Graduated in 2024

BACHELORS IN COMPUTER APPLICATIONS

Bangalore North University , Bengaluru, India | Graduated in 2022 | 9.59 GPA

ADVANCED DATA SCIENCE DIPLOMA

Indian Institute of Information Technology , Bangalore | Graduated in 2024 | 3.9 GPA

PROJECTS

REPORT PLUS APPLICATION

The Report Plus application is one of the personal projects. It is an Android-based student management system designed for schools, with over 12k schools primarily in South Africa using it. The app helps streamline the management of student data, including attendance, grades, and reports. It integrates various data sources to provide real-time analytics and insights for educators, improving decision-making.

DASHBOARD FOR MACHINE HEALTH

The machine health dashboard is a web application developed using Flask, designed to monitor and visualize the operational status of machinery in real-time. This project involved integrating various data sources to gather metrics related to machine performance, such as status, stack, and operational hours. The dashboard provides insightful visualizations and analytics, enabling users to make data-driven decisions regarding maintenance and efficiency improvements.

CERTIFICATIONS

AZURE ADMINISTRATION ESSENTIAL TRAINING

https://shorturl.at/5drBQ

This course covers Azure resource management, cost control, PowerShell scripting, and setting up services like web apps, virtual machines, Microsoft Entra ID, and virtual networks for efficient operations.

END-TO-END DATA ENGINEERING PROJECT

https://shorturl.at/tgz9t

The "End-to-End Data Engineering Project" course teaches professionals to build robust data pipelines using tools like Airbyte for data extraction, dbt for transformation, and Dagster for orchestration, with practical examples for an ecommerce scenario.

LEARNING PYTHON

https://shorturl.at/EAc7N

This course, led by Joe Marini, is perfect for beginners and experienced developers wanting to learn Python. It covers installation, basic syntax, and creating simple programs. Participants will work with variables, write loops, and utilize date and time functions. The course also includes practical skills like reading and writing files, fetching internet data, and parsing HTML, JSON, and XML. By the end, learners will have a solid foundation in Python programming and data handling.

SKILLS

DBT   **AIRBYTE**   **DATA PIPELINE ORCHESTRATION**   **DATA MART UPDATES**   **DATA ENGINEERING**
COLLABORATION   **ETL PROCESSES**