

Arun Nambiar

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Objective

Application for full-time position in the field of end-to-end data analysis, management, and reporting.

Experience

Senior Software Engineer, Psiog Digital 06/2024 - Present

- Lead a team of 5 as the Technical Lead, focusing on ADF, PowerBI, database management, and DevOps CI/CD to provide comprehensive end-to-end solutions for clients.
- Spearheaded the Research and Development on the capabilities and Cost Plan of different platforms like Databricks, Microsoft Fabric and AWS Sagemaker for laying the ground work on starting of ML Projects in my current organization.

Software Engineer, Psiog Digital 06/2022 - 06/2024

- Lead a team of 9 as a Product Owner/Technical Lead for a POC to build a Web Application(.NET framework and React), Embedded with Machine Learning model using Flask API and a PowerBI report that delivers a Safety and Productivity screen for EPC clients, which predicts the possible safety hazards and fluctuation of productivity in the input scenario with 87% accuracy.
- Developed and maintained CI/CD data as well as PowerBI Dataset integration pipelines using Azure Data Factory, and Azure DevOps (Using Shell Script configured publish of Power BI Datasets through Service Principal and for SQL used DACPAC files to read and make changes in the Database).
- Developed Complex PowerBI Dashboards, and implemented multitude of features such as Perspectives visuals, AI visuals like Smart Narratives and Decomposition-Tree. Implemented unique visualization solutions such as collapsible panes to imitate web apps, imitate excel functionalities etc. Wrote complex DAX measures and followed best practices such as Performance analyzer and PowerBI Usage Metrics.
- Developed and managed Complex Composite Data Models containing multiple sources and data ingestion modes.
- Developed SQL Server Analysis Services models using SQL DBs for efficient data refreshes and optimized role scripts along with adding partitioning and scheduled refreshes of the same.
- Worked on Microsoft Fabric and Databricks to create Integration notebooks for multiple sources such as Samsara, Hyperion, and Viewpoint into the client warehouse architecture in SQL.

Product Development Intern, Engineers Cradle 06/2021 - 01/2022

- Analyzed customer data to uncover trends and insights, contributing to product development. Participated in the iterative testing and refinement of new features. Assisted in the implementation of agile development methodologies.

Business Development Intern, JMEC 07/2021 - 08/2021

- Contributed to the creation of effective marketing and outreach materials to support fundraising efforts. Delivered persuasive presentations to potential investors.

Skills

Programming Languages: Python, PySpark, Scala, DAX, SQL, C#, M Query

ETL/Data Pipelining/Data Integration Tools: Azure Data Factory, Microsoft Fabric, Microsoft Synapse, Microsoft Databricks, Matillion, Azure DevOps CI/CD (Build/Release) Pipelines

Reporting Tools: Power BI, Tableau, Excel

Database Management Tools: SQL Server Management System (SSMS), Snowflake, MySQL Workbench, Fabric Lakehouse, SQL Server Integration Services (SSIS), SQL Server Analysis Services (SSAS)

Data Analytics Skills: KPI Identification, API configurations (Python Flask, Azure DevOps)

Machine Learning: Certifications, Projects and POCs created in Python

Education

BTech. in Electronics And Telecommunication Engineering, Vellore Institute of Technology 07/2018 - 05/2022
Vellore, Tamil Nadu CGPA 8.2

Certificates

Supervised Machine Learning, Stanford University and DeepLearning.AI ([Certificate Link](#)) 01/2024

Google Data Analyst Professional, Google ([Certificate Link](#)) 03/2024

Databricks Lakehouse Fundamentals, Databricks ([Certificate Link](#)) 05/2024

Projects

1) Employee Productivity And Safety Prediction in EPC Projects using Machine Learning 12/2023 - 04/2024

I developed the machine learning model and PowerBI report for the "Prediction Centre" web application, aimed at enhancing workforce productivity in EPC projects. The ML model forecasts crew productivity based on past performance, weather, location, and project phase. I also created an embedded PowerBI report to provide analytics. This project helps reduce costs from safety incidents, improve workforce well-being, optimize project planning, and provide data-driven operational insights.

2) Talent Retention Insights Dashboard Using Power BI And Machine Learning 11/2022 - 02/2023

I developed a Python script to analyze Govt roadway incident data to find key affecting contributors and the patterns of its impact and developed a Power BI Dashboard to visualize findings. I used machine learning algorithms to forecast turnover. This enables HR professionals to identify key retention factors and at-risk employees, impact HR practices and fostering organizational success.

Languages

English, Hindi, Malayalam