

ARUN MATHEW

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EDUCATION

Yeshiva University, Katz School of Science and Health

Manhattan, NY

Master of Science in Data Analytics and Visualization

August 2023-Expected on May 2025

Relevant coursework: Python Programming, Structured Data Management, Data visualization and Story Telling

Saintgits College of Engineering

Kerala, IND

Bachelor of Technology in Computer Science

July 2020

Relevant coursework: C, Java, Python, Data Structures

SKILLS

Data Analytics • Python Programming • SQL • R • Tableau • PowerBi • AWS • Angular • JavaScript • TypeScript • HTML/CSS • Git • Problem-Solving • Project Management Tools

PROFESSIONAL EXPERIENCE

Software Developer

Kerala, India

Aspire NXT Pvt . Ltd.

November 2020- June 2023

Developed Web Applications using Angular framework using JavaScript/TypeScript, HTML, CSS that satisfies the client requirement. Collaborated with other software developers on design, development and testing of programs. Designed and coded new software or modified existing software to add new features

PROJECTS

SQL Project: Disease Model

Tools used: *sql, postgresSQL*

- A master's **SQL** project to create a robust **PostgreSQL** disease database.
- Designed a detailed Entity-Relationship model, ensuring clear relationships and cardinalities.
- Implemented the database with a focus on referential integrity.
- Expanded the project into a disease Data Warehouse based on Kimball's principles.
- Crafted ETL processes for seamless data transfer between **OLTP and Data Warehouse**.

Tableau Project: New York Property Rolling Sales

Tools used: *Python, Tableau*

- A Tableau Project to analyse the property market status from the previous year and recommend valuable insights to improve future trends and performance.
- Utilized Python for cleaning and formatting dataset.
- Created Dashboard containing analysis of various factors such as economic conditions, regulations, shifts in consumer preferences which gives insights for the real estate agents

Python Project: Exploring the world of books and reviews

Tools used: *Python, Pandas, Matplotlib, Seaborn, Scikit-learn*

- Analysed a dataset of books and reviews.
- Conducted thorough exploratory data analysis, including data cleaning, pre-processing, and feature engineering.
- Got insights and made conclusions regarding quality, correlations and dynamics

R Project: Analysing Crime Rate in LA from 2020

Tools used: *R, ggplot, Cubic Regression, Loess Regression*

- Project to analyse crime rate of LA over time and derive useful insights from it.
- Analysed a dataset of crimes of LA from 2020.
- Conducted thorough exploratory data analysis, including data cleaning, pre-processing, and feature engineering.
- Made conclusions regarding increasing crime rates and made an attempt to predict future rate of crimes over time

CERTIFICATIONS

AWS Cloud Practitioner – Amazon Web Services.

April 2024- April 2027