

Punya Ira Anand

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SKILLS

Programming: Python, SQL, No SQL, Unix, Shell Scripting, Base SAS
Database: PostgreSQL, MS SQL Server, MongoDB, Hadoop (HDFS, HBase, Hive)
Tools: Tableau, Jupyter, Figma, SAS DI Studio, SAS Management Console, IBM- Flow Manager, Power-BI
Cloud Services: AWS (Glue, Athena, EC2, CloudWatch, Sage Maker, Kinesis, EMR) **CI/CD:** Git, GitHub, Jenkins
Certification: AWS Solutions Architect
Core Skills: JIRA, Agile, SDLC, Data Engineering, Business Intelligence, Data Analysis, ETL/ELT Automation, Confluence

WORK EXPERIENCE

Wipro Technologies | Karnataka | India

Senior Data Engineer

January 2020 – January 2024

- Implemented a stored process to integrate, clean, and transform Claims data from four distinct sources. Enabled seamless data availability and automated reporting process, reduced computation time by 20 hours.
- Designed and implemented jobs to maintain the integrity of incoming data streams, ensuring 75% of GDPR compliance.
- Leveraged Proc SQL to automate processes and generate reports, optimizing data storage within SAS data warehouse, resulting in a 30% reduction in report generation time and a 15% improvement in storage efficiency.
- Developed and optimized advanced SQL queries for healthcare data, achieving a 25% boost in processing efficiency and a 20% reduction in report turnaround time.
- Developed data mining jobs using Proc SQL and Python Scripts to extract insights from policy data, enriching the data landscape. This initiated a result in a 5% improvement for the business.
- Managed and optimized analytics environments using SQL Server Management Studio (SSMS) and PostgreSQL. Ensured database performance through real-time monitoring, query tuning, and system reliability practices by 25%.
- Conducted information and requirement-gathering sessions with business stakeholders, and served as a subject-matter expert, identified, and addressed main points in the data delivery pipeline.
- Constructed and managed shell scripts to automate batch processing tasks for data loading and transformation, improving workflow efficiency by 30% and optimizing performance across SAS environments.

Retinodes | Madhya Pradesh | India

Intern

January 2018 - June 2018

- Architected a robust PostgreSQL database for "Motomistry," an application enabling seamless booking of vehicle-related services, resulting in a 40% increase in data integrity and improved operational efficiency.
- Formulated on the test cases on JMeter, ensuring 95% code reliability by detecting bugs early on.

PROJECT EXPERIENCE

Truck Fleet Risk Analysis on Hadoop

May 2024 – August 2024

- Ingested fleet data to HDFS with Sqoop and established HIVE tables, enabling exploratory data analysis.
- Pioneered Tableau dashboard creation that harnessed the insights from the Hadoop cluster and integrated predictive models in R to forecast risk with 92% accuracy, enabling proactive measures to optimize truck fleet operation.

Relational Database Design

January 2024 – May 2024

- Designed DB Schema in PostgreSQL, normalized data for storage, retrieval, and manipulation.
- Crafted SQL queries on Oracle Database to provide insights for café performance and customer behavior.

Analysis and Prediction of COVID-19 Cases in U.S.A

January 2024 – April 2024

- Executed outlier detection, feature engineering, and visualization for 30,000+ data points with 10+ characteristics.
- Created Tableau dashboards highlighting key health trends, identifying three primary factors in disease spread.
- Validated hypotheses revealing urban vaccination rates 30% higher than rural, a 60% spike from the Delta variant, ethnic mortality differences, and a 30% drop in savings.

Data Analysis and Visualization Using Python

January 2024 – April 2024

- Established a data visualization project using Python to analyze job application trends, providing actionable insights.
- Utilized the pandas library for data manipulation and Matplotlib/Seaborn for visualizations, revealing key metrics like application volume, job types, and temporal trends, resulting in a 35% improvement in data clarity.

EDUCATION

The University of Texas at Dallas

January 2024 – May 2025

Master of Science, Information Technology and Management (STEM)

- Graduate Teaching Assistant (Data Visualization, OOP with Python, Introduction to Programming)

R.G.P.V University, Madhya Pradesh, India

July 20215 - June 2019

Bachelor of Engineering, Information Technology