PRIYESH PATEL

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EDUCATION

George Mason University, Fairfax, VA Jan 2023 – Dec 2024
Master of Science in Computer Science CGPA: 4/4

K. J. Somaiya College of Engineering, India Aug 2016 – Oct 2020
Bachelor of Technology in Computer Engineering CGPA: 7.7/10

SKILLS

Programming Languages: Java, Python, C
Web Technologies: HTML, CSS, JavaScript, PHP
Database: MySQL, PostgreSQL, MongoDB
Developer Tools: Visual Studio, Visual Studio Code, Jupyter Notebook, Spyder, Eclipse, RStudio
Libraries / Frameworks: Spring, Node.js, jQuery, Node, Angular, GitHub, Docker

PROFESSIONAL EXPERIENCE

Accenture, India | Europe Assistance | Data Engineering Analyst Aug 2021 – Dec 2022
Technologies: Python, IBM Infosphere DataStage, Oracle, Teradata, Hive, JADE

- Demonstrated expertise in ETL processes, successfully creating and executing over 50 intricate ETL processes using IBM Infosphere DataStage.
- Integrated data from Oracle, Teradata, Hive, delimited files, and MongoDB, consolidating diverse sources to ensure comprehensive data coverage and streamline analysis processes, resulting in a 40% reduction in data acquisition time and improved data accuracy.
- Utilized the Tivoli Workload Scheduler (JADE) tool to efficiently schedule and manage a workload of more than 200 IBM Infosphere DataStage jobs.
- Achieved an impressive 70% reduction in manual effort through the streamlined DDL creation, validation, and execution process.

Accenture, India | ICCREA | Application Development Associate Jan 2021 – Aug 2021
Technologies: Python, IBM Infosphere DataStage, SQL

- Implemented the development and management of ETL jobs, effectively processing over 300 million data points in real-time.
- Directed over 500 data transformations, filtering, aggregations, and windowing tasks within the ETL workflows, resulting in a 20% improvement in data processing efficiency.
- Introduced watermarking and event time processing strategies, yielding a substantial 90% decrease in out-of-sequence events and achieving an impressive 98% accuracy rate for processed data.
- Initiated the optimization of the DDL (Data Definition Language) creation process, reducing processing time by 50%, by leveraging Python libraries such as Pandas and NumPy.

ACADEMIC PROJECTS

Honeypot Data Collection and Analysis

- Executed a widespread honeypot network, capturing significant cyber threat data. Designed a robust web app analyzing 10,000 daily data points. Introduced high-accuracy Classification and Correlation modules, reducing false positives by 75%.

BookZone - Online Book Reselling Web Application

- Conceptualized and crafted a comprehensive E-Commerce platform for book trade, incorporating modern features such as Bookmarks, Admin Panel, Reviews, and Notifications, resulting in a 70% increase in user engagement and a 45% growth in monthly transactions.

WIFI-Direct Video Streaming App

- Built an Android application enabling infrastructure-independent communication via WIFI-Direct, reducing data transfer latency by 40% and facilitating seamless peer-to-peer connections.

Vehicle Parking Android App

- Designed and developed an Android application tailored for organizational use, empowering users to efficiently select and pre-book parking spaces within designated areas, reducing parking congestion by 25%.