SUNDHARESWARAN SUBRAMANI

ETL & DATA ENGINEERING SPECIALIST

CONTACT

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SKILLS

- Python
- MySQL
- ETL
- Pandas
- PySpark
- Data Management: - Data Quality assessment Data Analysis, Pattern & Trend identification Visualization of Data Insight, Data model, Data Mining.
- Computer Technology: - Microsoft Office 365, Oracle, Power BI, Tableau.
- Business planning
- Performance Optimization
- Proficient in restful API's
- Strong debugging skills
- Source and version control: git, github

LANGUAGES

- English (Fluent)
- Tamil (Native)
- Kannada (Native)

EDUCATION

B.Sc Computer Technology

2017 - 2020 with 71.68%

PSG College of Arts & Science

PROFILE

Results-driven Backend Developer with 3+ years of experience in building scalable APIs and robust backend systems. Proficient in Python, SQL, and Flask, with strong expertise in ETL pipeline development, data integration, and large-scale data processing using Pandas and PySpark. Experienced in cloud deployment, database management, and performance tuning, with a proven ability to deliver data-driven solutions in cross-functional teams.

WORK EXPERIENCE

AI-Data Driven

2024 - PRESENT

Data Engineer

- Developed and maintained scalable RESTful APIs using Flask and Python, handling over 10,000 daily requests, with 99.9% uptime.
- Developed and optimized data processing workflows using Pandas and PySpark to efficiently read and manipulate large datasets (up to 20 million records), significantly enhancing data handling performance and reducing processing time by 30%.
- Integrated Apache Kafka for real-time data streaming, enabling efficient communication between microservices, and processing over 1 million events daily.
- Built and optimized data workflows in Snowflake, improving query performance by 25% for business intelligence reporting.
- Contributed to software architecture design, creating modular and reusable components that enhanced system scalability and reduced development time by 15%.
- Deployed backend applications on cloud platforms including AWS, Azure, and GCP, ensuring consistent and scalable environments across development, testing, and production stages.
- Collaborated with frontend teams to define API contracts, ensuring seamless integration, and reducing bugs by 20%.
- Wrote unit tests and performed code reviews, maintaining a codebase with 95% test coverage.

TATA CONSULTANCY SERVICES

2021 - 2023

Junior Data Engineer

- Improved the efficiency of daily report by 86% via excel automation using VBA, saving 22 hours of manual labor monthly.
- Utilized techniques and Business intelligence (Power BI) to create 6 dashboards and 7 ad hoc reports to address business problems and streamline processes.
- Extracted Analyzed and presented data in a graphical format using Python, such a way that helped project manager to make business decisions.
- Used Joins like Inner join, Outer join while creating tables from multiple tables.
- Converted data into actionable insights by predicting and modeling future outcomes.