Pradeep Padigi Reddy

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---TECH STACK---

Languages/Packages	: Python (PySpark, Pandas, NumPy), C#, Athena SQL, Bash, DAX, JavaScript/jQuery, HTML-CSS, ASP.NET
Databases	: MS SQL, MySQL, PostgreSQL, Azure Blob, AWS S3, Cosmos DB, DB2
Software	: Power BI, Tableau, QlikView, Azure AutoML, Snowflake

---WORK HISTORY---

Lead Data Analyst   06/2021 – Present
Production Equipment Limited – Galway, Ireland

- Collaborate with senior management to address business challenges, designing and implementing innovative solutions.
- Engineered two applications using SQL and Python to help reduce supplier lead time and generate product recommendations.
- Re-architecting existing pipelines using Azure products like Data Factory, Blob storage so that it could benefit from automation and data integration.
- Manage 10TB data warehouse migration with Snowflake, optimizing processes through data pipelines for enhanced efficiency.
- Documenting all aspects of the above solutions at a high level for management and stakeholders along with technical aspects that will help other engineers, new joiners.
- Provide guidance and mentorship to junior analysts in building custom tables/views on Snowflake to be used in ML frameworks/ analysis tools.

Data Analyst   07/2018 – 06/2021
Production Equipment Limited – Galway, Ireland

- Design, develop, maintain ETL datasets and creating reports/dashboards which determines the result of several gigabytes of data.
- Manage data quality, monitoring, measurement activities to introduce and implement industry best practices.
- Mining data to find anomalies or patterns which provides more details about the customer behavior and adding value to the business.
- Led the design and development of a Python application that used multiple REST API endpoints to streamline inventory management across various locations.
- Developed several ML models that were integrated into applications used for assisting users with additional information about customer data, additionally tracking user performance in the company.
- Created several ad hoc complex queries and stored procedures in RDBMS and NoSQL (Cosmos DB).
- Worked with other downstream product owners to analyze and refine requirements and turn them into actionable items for the team to work on.

Graduate Teaching Assistant   01/2018 – 04/2018
National University of Ireland Galway – Galway, Ireland

- Demonstrated practical knowledge in Systems Analysis and assisted professors with lessons.
- Explained challenging Systems Analysis concepts to 60 students in an advanced level course.

Systems Engineer 10/2014 – 11/2017
Tata Consultancy Services Limited – Chennai, India

- Designed and modernized the financial planning ASP .NET application having Web Forms used by all the Boeing shop floor employees.
- Utilized Git for version control, ensuring code quality and collaboration among team members.
- Adhered to Scrum practices, including sprint cycles, backlog grooming and retrospectives.
- Analyzed business, functional and technical requirements to make sure project met expectations.
- Worked with MS SQL, DB2 and designed stored procedures.
- Developed summary reports to analyze efficiency of the application using SQL and Power BI/Tableau.

---EDUCATION--

M.Sc.: Analytics – 1.1 Honors
National University of Ireland, Galway – Ireland