Kavya Ejjagani

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Professional Summary:

- Data Analytics and Cloud Integration Specialist with around four years of experience in IT, focusing on data analysis, cloud integration, and project coordination.
- Skilled in data visualization using tools like Power BI, Tableau, and Excel to present actionable insights and enhance decision-making processes for key stakeholders.
- Strong expertise in ETL processes and data analysis using Python, SQL, and Databricks, with experience in data transformations, validations, and real-time reporting.
- Proven ability to develop and manage cloud integrations using Dell Boomi, leading end-to-end integration, deployment, and go-live support for critical business applications.
- Knowledge in **machine learning techniques** and **predictive modeling** using **Python**, with proven results in applying models like **Linear Regression** and **Random Forest** to environmental and operational datasets.
- Adept at working in Agile/Scrum environments using JIRA and ServiceNow to manage project lifecycles, track deployments, and resolve incidents.
- Experienced in Level 2 support, managing critical incidents and change requests, ensuring system stability, and improving performance.
- Excellent cross-functional collaboration skills, working with offshore teams and multiple stakeholders to deliver high-quality integration and data solutions.
- Advanced knowledge in machine learning and predictive modeling using Python and R with a focus on trend analysis and sustainability reporting for organizations.
- Analyzed environmental data to predict air quality trends, leveraging machine learning models like Random Forest and Linear Regression to provide insights into pollutant levels and seasonal climate variables during a Master's project.
- Utilized Power BI and Python for data visualization and analysis, creating detailed reports that supported data-driven decision-making for sustainability efforts.
- Ensured data governance and accuracy by managing high-volume data pipelines, monitoring energy consumption, and supporting carbon reduction targets in alignment with ESG and sustainability frameworks.

Skills and Tools

Programming Languages	Python(Libraries: NumPy, Pandas), SQL, R, Pyspark
Data Visualization Tools	Tableau, Power BI, MS Excel, ArcGis
Configuration	AtomSphere, Salesforce, Workday(HIRS) Integration, SaaS/PaaS Integration
Project Management	Jira, Scrum, Agile
Cloud integration	Dell Boomi, Mulesoft
Collaboration Tools	Service now, SharePoint, Azure Board
System Integration	API Integration, Middleware Architecture, Web Services, SOAP, REST
Testing	Cross-Functional Testing, Unit Testing, Integration Testing
Development Practices	CI/CD Pipeline, DevOps Strategies, Version Control
Documentation	BRD's, Functional Specifications, Technical Specifications, SRD's
Machine Learning	Linear Regression, Random Forest, Predictive Modeling, EDA
Data Analysis Tools	Databricks, SQL, Power BI, Python, Machine Learning Models

Certifications:

- MuleSoft Certified Developer –Level1.
- Professional Integration Developer –Dell Boomi.
- Associate Integration Developer – Dell Boomi.
- Agile Software Development – Coursera
- Azure Fundamentals – Microsoft
- Climate & Sustainability Job Simulation -BCG
- GIS Basics – ESRI
- Spatial Analytics - ESRI

Professional Experience:

Business Analyst at Cepoch LLC   Aug 2023 – May 2024

- Collaborated with the Product Owner to create BRDs, SRDs and gather requirements using Jira and Confluence.
- Have experience working with ServiceNow to manage and track changes in the development process.
- Translated business processes and requirements into system specifications for sending notifications to clients with dormant accounts.
- Assisted the ETL team with data analysis, material transformation, and processing using Databricks, SQL, and Python to optimize data flow and quality
- Developed data visualization dashboards using Power BI to communicate trends to non-technical audiences.
- Coordinated with multiple teams (ETL, email, ECIF) to ensure seamless integration and testing.
- Prepared solution requirement documents, use cases, data catalogs, and print specifications. Also Supported the testing phase and ensured a smooth transition to production with no issues.
- Participated in Agile ceremonies including daily stand-ups, requirement gathering sessions, backlog refinement, sprint planning, and sprint retrospectives.

Analyst/Senior Analyst at Capgemini   Sep 2019- Aug 2022

- Gathered and documented mapping requirements data, including telemetry data, procurement data from Ariba, Employee onboarding, employee central management data from workday and operational data from Pinnacle Propane.
- Developed cloud integrations using Dell Boomi to manage ESG data, including telemetry for real-time environmental monitoring and procurement data from Ariba, enabling accurate sustainability reporting for SHV Energy.
- Integrated employee data from Workday to Dell Boomi, ensuring accurate data transfer and validation for real-time workforce analysis, contributing to improved HR decision-making.
- Led data mapping and transformation efforts for key ESG metrics, improving data accuracy for energy efficiency, emissions tracking, and supply chain sustainability using Power BI and Excel, facilitating data-driven strategies.
- Skilled in developing cloud integrations with Dell Boomi, managing CI/CD pipelines, and working with connectors like FTP, Mail, Database, Salesforce, Web Services Listener, HTTP Client, and Web Services SOAP Client.
- Developed and implemented data transformation processes for procurement data in Ariba, enabling accurate tracking and forecasting of supplier performance and procurement trends.
- Created custom SQL queries and Python scripts to extract insights from procurement data, supporting sustainability reporting and supplier performance evaluations aligned with SHV Energy's ESG goals.
- Integrated telemetry data from Tank Telemetry Units (TTUs) and Smart Meters (SM), facilitating real-time monitoring of energy consumption and emissions for operational efficiency.
- Utilized Python and SQL to perform trend analysis on telemetry data, developing predictive models to optimize energy distribution, reduce waste, and enhance fuel efficiency.
- Participated in go-live, migration and post-production deployment support also Tracked all deployment and implementation related issues on JIRA and Service Now.
- Provided Level 2 support by resolving over 20 incidents and managing critical change requests, enhancing system stability and user satisfaction post-deployment. Also Co-ordinated with the offshore development teams to address technical or business requirements related queries.
- Collaborated with cross-functional teams to integrate environmental and operational data, supporting SHV Energy's sustainability goals by optimizing real-time telemetry data flows and reducing transfer rates by 95%.Implemented DevOps strategies and assisted in automating builds, tests, and code quality checks.
- Generated weekly performance reports using Power BI, with insights exported to Excel and Access for further analysis, supporting SHV Energy's data-driven sustainability decisions and documented deployment processes.

Academic Projects:
Exploring Influential Factors on Air Quality in Ancona(Data Analysis and Machine Learning)

- Led a project focused on analyzing environmental data to understand seasonal trends and predict air quality using machine learning models. The analysis covered variables such as pollutant levels, soil temperature, wind speed, and vegetation indices, providing insights into the impact of climate factors on environmental quality.
- Collected, cleaned, and managed large-scale environmental datasets, ensuring data integrity by using outlier detection methods and handling missing values.
- Conducted exploratory data analysis (EDA) to identify trends and correlations between pollutant levels, soil temperature, and other climate variables, using Python libraries and Power BI for visualization.
- Developed and evaluated machine learning models, including Linear Regression and Random Forest, to predict air quality based on climate data, achieving the highest accuracy with Random Forest.
- Identified seasonal trends and provided actionable insights, contributing to environmental research by suggesting areas for further study and potential policy applications.
- Used Google Colab, and effectively communicated project findings through detailed reports and presentations.

Visualization of Covid 19 Disaster and Vaccination (Power Bi, Tableau)

- Led a project team of three members tasked with dataset selection, with a focus on leveraging Kaggle's Covid-19 Data.
- Conducted comprehensive data analysis, meticulously cleaned and prepared the dataset, and performed calculations using DAX functions to ensure the data was structured for effective visualization.
- Developed a range of informative charts to illustrate the global impact of disasters and the progress made through vaccination efforts.

Education:
University Of New Haven, USA   Dec 2023
Master of Science in Business Analytics   GPA: 3.8
Institute of Aeronautical Engineering, Hyderabad, India   Aug 2020
Bachelor of Technology, Computer Science and Engineering