**eNikhil Nageshwar Inturi**

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**SUMMARY:**

Results-driven BI & Data Science Analyst with 7+ years of experience in data analytics, BI tools, ETL pipelines, and cloud solutions (AWS, Azure, GCP). Skilled in Power BI, Tableau, SQL, and Python, with expertise in data visualization, financial analysis, and predictive modeling. Proven ability to develop interactive dashboards, optimize workflows, and deploy scalable analytics solutions, ensuring data integrity, security, and compliance.

**EXPERIENCE:**

**Sr. Data Scientist, The University of Texas at Dallas** Feb 2023 – Present

* ⁠Built real-time BI dashboards for the Sensoromics website, integrating research data, datasets, and code repositories, improving data accessibility for 50+ researchers.
* Implemented containerized workflows, using docker and Podman, increasing the analytical efficiency by 60% in identifying differentially expressed genes and biomarkers.
* Developed Power BI dashboards for financial analysis, optimizing fund allocation and spending tracking for CAPS.
* Automated ETL pipelines using SQL, PySpark, and Airflow, reducing data ingestion & processing time by 30% while ensuring 100% traceability.
* Designed a GPT-powered RAG pipeline (LangChain) for semantic search across research papers & datasets, reducing research retrieval time by 40%.
* Collaborated with cross-functional teams from multiple research labs including McGill and University of Queensland, to streamline computational pipelines using workflow management tools and containers for improved efficiency.

**Data Scientist, Aganitha Cognitive Solutions** Jun 2022 – Nov 2022

* Developed interactive BI dashboards in Tableau & Power BI, integrating 30M+ genomic records for AAV Capsid Engineering.
* Integrated Snowflake for scalable data storage, enabling real-time query optimization for genomic data.
* Developed an interactive Midstream and Downstream Analysis tool for AAV Capsid Engineering Project using Python, Cromwell, Bash, and R, providing RESTful APIs for data integration and visualization workflows.
* Integrated midstream sequencing data into Snowflake DB, enabling efficient tracking of AAV capsid sequences and TM-scores across multiple runs, streamlining data management for the AAV Capsid Engineering Project.

**Data Scientist, Infosys Ltd** Sep 2018 – Jun 2022

* Designed & developed 40+ database connectors (SQL & NoSQL), improving data accessibility for BI & ML pipelines.
* Automated SAP CFIN (S/4 HANA) reporting using Python & Power BI, reducing manual reporting time by 40%.
* Implemented CI/CD pipelines for ETL workflows, reducing deployment time by 75% and improving data pipeline automation.
* Enhanced IDSMLP tool interface with advanced data visualization techniques, incorporating interactive univariate, bivariate, and multivariate charts using Bokeh and Plotly. Implemented Nginx load balancing to improve availability.
* Developed a user-friendly interface for the CFIN tool using Python, enhancing report-generation with the Infosys SAP Team using python(RESTAPIs) and java-script.

**EDUCATION:**

**The University of Texas at Dallas,** *Master’s in Business Analytics & Artificial Intelligence* Jan 2023 – Dec 2024

**Purdue Global – Simplilearn,** *Post Graduate Program in AI and Machine Learning* Oct 2020 - Nov 2021

**Ramaiah Institute of Technology,** *Bachelor of Engineering in Mechanical Engineering* Aug 2014 - June 2018

**SKILLS:**

**BI and Data Analytics**: RShiny, Power BI, Tableau, SAS, QuickSight, Looker, SQL Reporting, KPI Dashboards

**Programming**: SQL (MySQL, PostgreSQL, Snowflake), Python (Pandas, NumPy, SciPy), R, ETL Pipelines, PySpark, Airflow

**DB & Cloud Platforms**: AWS & Azure (certified), Data Warehousing, Data Governance (HIPAA, IRB Compliance)

**Machine Learning & Automation**: Predictive Analytics, Statistical Modeling, NLP, Generative AI (LangChain, LlamaIndex)

**Containerization and Deployment CI/CD**: Docker, Podman, Kubernetes, Jenkins, GitLab CI, and Docker Swarm

**Web server:** Tornado (Restful API), Django, Flask, xPlore (indexing), and Nginx (high-availability nginx load-balancing)

**CERTIFICATIONS:**

1. Post Graduate Program in AI and Machine Learning Oct 2021
2. Microsoft Certified: Azure AI Fundamentals Jul 2021
3. Microsoft Certified: Azure Data Fundamentals Jul 2021
4. Microsoft Certified: Azure Fundamentals Jun 2021
5. Amazon Cloud Computing Practitioner May 2024
6. Graduate Certificate in Applied Machine Learning Jun 2024