VINAY REDDY VANGALA

+1 (203)-997-4662 | vinay_reddy.vangala@uconn.edu | github.com/VinayReddy-Vangala | linkedin.com/in/vinay-reddy-vangala/

SKILLS

Languages	Python, R Programming, PL/SQL (Oracle, MySQL, SQLite, NoSQL), Shell Scripting
Libraries	Numpy, Pandas, Matplotlib, Seaborn, BeautifulSoup, TensorFlow, Keras, PyTorch, Scikit-learn
Big Data Technologies	Databricks, Redshift, Apache (Spark, Hive, Kafka, Flink, Cassandra), BigQuery, Airflow
Business Intelligence	Excel, Tableau, Power BI, Qlik View, Quicksight, SAS Studio, JMP, Visio, Confluence, Jira
Machine Learning	Regression, Neural Networks, Time Series, CNNs, NLP, LSTM, GCNs, Bayesian Deep Learning
Certifications	AWS Cloud Practitioner	Google Data Analytics	Tableau Desktop	Microsoft Power BI

EXPERIENCE

Bastion Health, *Business Data Analyst* | (Connecticut, USA)   Jan 2024 - Present

- Conducted market research analysis by gathering business requirements, driving data-driven decision-making, and optimizing business processes. Worked directly with large data sets and technical tools, collaborating closely with marketing and sales team stakeholders to ensure alignment with business goals.
- Crafted tailored sales pipeline strategies and comprehensive dashboards, leveraging SQL queries, data models, and Python. Empowered several stakeholders with actionable insights, integrating machine learning and automation into processes. Achievements include boosting sales performance by 20% and driving revenue expansion by 15%.
- Supervised data projects by promoting collaboration, communication, and leadership. Delivered 15 interactive dashboards, scorecards, KPI reports, and Power BI solutions to stakeholders, ensuring timely project completion. This process included data gathering, validation, and meeting the specific needs of marketing and sales teams.

Infosys Limited, *Technology Analyst* | (Client: Goldman Sachs) | Remote (India)   Jan 2021 - Jan 2023

- Led asset valuation and portfolio management initiatives, incorporating business analysis and accounting principles, along with fundamental analysis and financial statement evaluation, fostering expertise in strategic asset oversight.
- Implemented streamlined CI/CD pipelines for microservices, achieving a 40% acceleration in deployment. Architected infrastructure as code for 30 services and designed tailored SQL solutions for financial applications. Worked extensively on database schemas, building databases, and identifying KPIs.
- Presented user stories in insightful quarterly performance reports to stakeholders, enabling informed tech-driven decision-making, demonstrating compliance with business strategies and iterative development practices.
- Directed a cross-functional team of 7 ETL developers in an Agile-scrum environment, overseeing support for 5 diverse product lines and applied technical acumen to integrate disparate data sources for Business Intelligence.

Infosys Limited, *Data Engineer* | India   Mar 2018 - Jan 2021

- Optimized SSIS ETL solutions, reducing execution time for 30+ data products by 17% through strategic utilization of merge/anti joins and complex transformations. Built and set up ETL pipelines, aligning with SDLC, conducting rigorous integration testing, and ensuring seamless product delivery.
- Revamped Tableau dashboards and SQL queries, reducing dashboard refresh time by 12% through customer data unification. Implemented CTE, indexing, ingestion scripts, and user-defined functions to track KPIs. Developed data models and ensured seamless access for stakeholders in accounting, banking, and forecasting domains.
- Effectively resolved critical server issues, resulting in a 50% decrease in service disruptions within a three-month timeframe, supported by incident reports and performance metrics.

EDUCATION

University of Connecticut, *MS in Business Analytics & Project Management | (Major in Data Science)*   Jan 2023 - May 2024
GPA: 4.0 / 4.0

Rajiv Gandhi University, IIITB, *B.Tech in Electronics & Communication Engineering* | Telangana, India   Jun 2015 - May 2019
GPA: 3.4 / 4.0

Conferences: Presented papers titled "IoT-Enabled Smart Farming Solutions for Enhanced Agricultural Productivity" at ICISF-2019 (IEEE) | "Addressing Hearing Aid Challenges with Neural Networks and Deep Learning" BISPNN-2023 (IEEE)
Courses: Big Data Analytics with Cloud Computing | Statistical Data Mining | Project Leadership & Communication | Database Management | Financial Data Analysis & Predictive Modeling | Data Science | Operating Systems

ACHIEVEMENTS & COMPETITIONS

Travelers, *Business Insights & Analytics Case Competition Finalist* | (Hartford, CT, USA)   Mar 2024

- Acknowledged as a top 5 finalist for innovating an end-to-end AWS-based data architecture for insurance and auto claim data, showcasing adeptness in cloud and data engineering solutions at Travelers headquarters in Hartford.

Humana Mays, *Healthcare Analytics Case Competition Top 50* | (Texas, USA)   Nov 2023

- Ranked top 50 from 600+ master-level teams from UCLA, OSU & NYU. Developed Python-based gradient boosted tree model predicting household insecurity from 800+ fields, yielding $12M cost savings, benefiting 250K members.