Nalla Vedavathi

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SKILLS

Languages: Python, C/C++, Java, SQL
Tools: Power BI, Tableau, MS Excel, Jupyter, Elastic Search
Platforms: Windows, Linux, Web
Domain Skills & Tools: Data Analytics, Data Science, Data Visualization, Machine Learning, Deep Learning
Soft Skills & Tools: Communication, Decision-making, Candid, Leadership, Teamwork, Problem solving, Time Management

WORK EXPERIENCE

Informatica, Bengaluru   Sept 2024 - Present
Associate Data Automation Engineer

- Led the migration of data ingestion into OpenSearch from Java to Python using Parquet files on Amazon S3, improving system observability, simplifying monitoring, and significantly reducing operational overhead and costs.
- Designed and developed Superset dashboards to track customer feature adoption and identify potential leads from usage data, enabling targeted communication by internal teams, improving customer retention, and reducing acquisition costs through data-driven insights.
- Migrated data integration jobs to Datashare sources with PDO enabled, improving job execution speed, and transitioned to a serverless environment to eliminate dependency on Secure Agent migrations in AMI during each release, resulting in improved deployment efficiency and reduced operational overhead.

Informatica, Bengaluru   Sept 2023 - Aug 2024
Data Atomation Intern

- Implemented automated monitoring and alerting systems for DI Jobs using scripting and scheduling tools, enabling proactive failure resolution and reducing manual intervention through automated email notifications using python.
- Optimized job execution performance by re-engineering data pipelines to run in parallel, stabilizing dependencies, ensured run consistency by validating execution counts against historical success logs.
- Troubleshot and resolved recurring job failures by analyzing job logs, reducing precision errors, and fine-tuning configurations to improve job reliability and runtime efficiency.

EDUCATION

VIT Chennai   Jun 2019 - Aug 2024
Integrated Mtech CSE with Business Analytics   *CGPA: 9.21/10*
Sri Chaitanya Junior College Hyderabad   Jun 2017 - Mar 2019
Intermediate M.P.C   *Marks: 967/1000*

PROJECT WORK

- **Smart-End Version for Intensive Critical Care Mortality Prediction (ML) Project:** Help hospital to determine appropriate levels of care and also prepare discussions with patients and their families around expected outcomes.
  Team: – 3 members, **Role:** Coder, **Tech:** Python, ML, Data Visualization.
- **Road Sign Recognition (Deep Learning, Neural Networks) Project:** Developed a comprehensive approach that effectively detects and recognizes traffic signs by employing techniques for image preprocessing, as well as methods for sign detection, recognition, and categorization.
  Team: 3 members, **Role:** Coder, **Tech:** Python, TensorFlow, Image processing, Deep learning, Convolutional Neural networks.
- **Customer Shopping Habit Analysis (Data Science) Project:** Helps the client to identify what type of products customers are purchasing the most.
  Team: Solo, **Tech:** Python, pyplot, PowerBI.
- **Facebook Data Analysis (Big Data, NLP, Machine Learning) Project:** Performed sentiment analysis on massive-scale Facebook user data using Apache Spark's distributed processing capabilities and ML techniques, enabling sentiment classification for posts and comments, and providing insights for sentiment-based marketing strategies.
  Team: 2 members, **Role:** Leader, **Tech:** Apache Spark, Sentiment analysis, Machine Learning.

ADDITIONAL INFORMATION

- **Languages:** English, Telugu, Hindi
- **Achievements:** Disease Prediction and Drug Recommendation using ML paper presented in international conference
  ⚲ Certificate
- **Certifications:**

Google Data Analytics certified by Coursera, July 23 ⚲ Certificate

Google Cloud Fundamentals: Core Infrastructure certified by Coursera, Aug 21 ⚲ Certificate

Data Science Foundation using R certified by 360DigitMG, Apr20 ⚲ Certificate