

VIVEK MURALI

Bengaluru, India, willing to relocate

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PROFESSIONAL SUMMARY

- Technically competent and experienced IT professional with 4+ years of experience in Data Science and Data Engineering with a successful track record in various domains and dynamic startup environments.
- Proficient in orchestrating end-to-end data pipelines, excel in crafting bespoke data solutions and fostering seamless collaboration between analytical and engineering teams to drive data-powered success.
- Experience spans transformative NLP projects, optimizing data workflows with cutting-edge technologies, and delivering actionable insights for enhanced decision-making and business growth.
- Adept at leveraging advanced data analysis skills for providing solutions as per the client's business requirements.
- Skillful in analyzing projects that require strategic thinking, clarifying business requirements, existing procedures/skill sets, and designing process and database improvements to increase productivity and reduce costs.
- An articulate communicator, possesses superior leadership skills with an innate ability to interact effectively with people of various cultures & backgrounds and succeed in high-pressure & deadline-driven environments.

CORE COMPETENCIES

Functional

- End-to-End Data Pipeline Management
- Data Science and Engineering Collaboration
- Advanced NLP Solutions
- Cross-functional Cooperation
- Performance Optimization
- Data Analysis and Insights
- Agile Data Solutions
- Technical Tool Proficiency
- Database Programming
- Project Management

Technical

- Microsoft Office Suite (Word, Excel, PowerPoint)
- Languages: Python, Java, SQL, JavaScript
- Cloud Platforms: Microsoft Azure, Google Cloud
- Big Data Technologies: Apache Spark, Apache Beam, Databricks, Apache Airflow
- Database Technologies: MongoDB, Cassandra, PostgreSQL, Snowflake, Delta Lake.
- Data Visualization: Tableau, Power Bi, Looker Studio
- Machine Learning: Scikit-Learn, TensorFlow, PyTorch
- Other Tools: Docker, Kafka, Flink, Pandas, PyCaret, Elasticsearch

WORK HISTORY

Data Engineer | iVoyant Systems Pvt Ltd (Aug 2021-Present) – Bangalore, India

Outline

Working closely with colleagues and customers to fulfil main responsibilities for the employer's business across the department area, such as managing daily operations, addressing defects, and collaborating on projects to drive business growth.

Key Responsibilities

- Contributed to designing and constructing end-to-end data pipelines for generative AI solutions, as well as developing in-house products using generative AI to enhance workflow productivity and automate repetitive actions.
- Designed and implemented agile data solutions using Azure, NLP stack, Docker, Apache Beam, Metabase, OLAP data stores, and Apache Spark.
- Led transformative NLP projects, including healthcare Named Entity Recognition (NER) and dialogue summarization.
- Optimized workflows with innovative technologies like STOA and Databricks.
- Implemented and created various rule-based NLP solutions and Generative AI solutions to streamline operations within the company's Indigenous products.

Data Scientist | 73 Strings (Aug 2019- Aug 2021) – Bangalore, India

Outline

Developing, testing, and improving several ETL pipelines, ML models, and NLP solutions to support a range of activities in the financial and alternative data sectors within the company.

Key Responsibilities

- Developed, deployed, and maintained data services using Elasticsearch, Airflow, and Snowflake.
- Managed ETL and ML pipelines for news analysis and earnings call transcripts, enhancing operational efficiency.
- Analyzed unstructured data using NLP techniques resulting in valuable insights for business strategy.
- Spearheaded NLP-focused research and model optimization, resulting in a 20% performance improvement and 40% infrastructure cost savings.
- Developed predictive models resulting in 15% faster processing times.

Data Analyst - Internship | 6th Energy Technologies Pvt Ltd (May 2016- Aug 2016) – Bangalore, India

Outline

Adeptly conducted in-depth analysis of sensory data to generate precise time-series forecasts, with a particular focus on electricity consumption. This analysis involved extracting valuable insights from a wide range of energy-related attributes, ultimately guiding data-informed decision-making processes.

KEY HIGHLIGHTS

- **Data Pipeline Expertise:** Played a pivotal role in designing and constructing end-to-end data pipelines for generative AI solutions, bridging the gap between Data Engineering and Data Science functions.
- **Cutting-edge Technologies:** Utilized innovative tools like STOA and Databricks to optimize workflows, ensuring efficiency and scalability.
- **Agile Data Solutions:** Designed and implemented agile data solutions using Azure, NLP stack, Docker, Apache Beam, Metabase, OLAP data stores, and Apache Spark, driving improved decision-making and business growth.
- **NLP Advancements:** Spearheaded transformative NLP projects, including healthcare Named Entity Recognition (NER) and dialogue summarization, advancing natural language processing capabilities.
- **Cross-functional Collaboration:** Collaborated across departments to design, build, and deploy data platform initiatives, fostering cross-functional cooperation. Identified cost-saving opportunities resulting in a 10% reduction in annual costs. Collaborated on the creation of data analytics tools that resulted in a 20% accuracy improvement.
- **Performance Optimization:** Achieved a 20% performance improvement and 40% infrastructure cost savings through NLP model optimization. Designed complex SQL queries for data extraction and validation resulting in 35% faster data analysis.
- **Data-Driven Insights:** Proficiently analyzed sensory data for accurate time-series forecasts, specializing in electricity consumption, and extracting insights to inform data-driven decisions.

EDUCATION

- Masters of Computer Application, Jain University, Bengaluru, IN (2016-2019)
- Bachelors of Computer Application, Rosary College of Commerce and Arts, Goa, IN (2013-2016)

CERTIFICATION

- Microsoft Azure Data Engineer
- Big Data (Cloud Academy)
- Google Cloud Professional (Cloud Academy)
- PSD 1(Professional Scrum Developer)

LANGUAGES

- English (C1), Japanese (N5), Tamil (Spoken), Kannada (Spoken), Hindi