

Spoorthi Veeresh Kumar

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Education

University of Wisconsin Madison

Master of Science in Information (Data Track)/STEM

August 2023 – May 2025

United States

Visvesvaraya Technological University

Bachelor of Science in Computer Science and Engineering

August 2019 – May 2023

Karnataka, India

Relevant Coursework: Data Structures, Artificial intelligence/Machine learning, Relational Database Management Systems, Big Data Analytics.

Technical Skills

Programming Language: Python, SQL, R

Data Visualization Tools: Tableau, Excel, Matplotlib, Seaborn, Looker

Frameworks and Libraries: Numpy, pandas, TensorFlow, PyTorch, GitHub

Big Data Cloud: Apache Spark, Hadoop, AWS (S3, Redshift, Glue, Lambda, EMR)

Experience

Interviewer.Ai

Data Scientist

Jan 2024 – Present

Remote

- Designed and deployed machine learning models achieving 81% accuracy in image classification using ResNet-50 on a unstructured dataset of 50,000 images, improving previous model performance by 13%.
- Conducted DPIA fairness assessments across protected attributes (race, gender, age), achieving above 0.85 demographic parity and ensuring GDPR compliance.
- Delivered end-to-end reliable and scalable AI features in production.

UW - International Academic Program

IAP Data Analyst Support

July 2024 – Present

Madison, WI

- Validated and analyzed large datasets, improving data-driven decision-making and optimizing participation metrics by 12%.
- Developed Tableau dashboards with interactive filters to analyze student mobility trends and program effectiveness.

University of Wisconsin Madison

Research Assistant

Nov 2023 – May 2024

Remote

- Developed an evaluation framework for assessing ChatGPT's LLM clustering capabilities in educational contexts, achieving a 9% improvement in label specificity across 500+ document clusters
- Created interactive visualizations of research findings that were incorporated into departmental presentations and grant applications

Addicor Technologies

Data Analyst Intern

Jan 2023 – June 2023

Remote

- Optimized SQL queries and design to enhance performance, improving financial reporting efficiency by 19% and serving 7+ stakeholder departments.
- Designed and maintain models to ensure relationships between datasets.

ISans Technologies

AWS Cloud Intern

Sep 2022 - Feb 2023

Bangalore

- Designed and implemented a CI/CD pipeline using Jenkins, reducing deployment time by 10%, with a focus on cloud environments.

Projects

Scalable Supply Chain Data Pipeline using Apache Spark & AWS | Apache Spark, AWS, PostgreSQL, Airflow, Elasticsearch

- Ingested structured unstructured data from IoT sensors, warehouse logs, and transportation tracking APIs into AWS S3.
- Integrated Elasticsearch for complex search queries on shipment status, manufacturing logs, and failure reports.
- Designed an ETL pipeline using PySpark to clean, transform, and aggregate data, reducing processing time by 40%.

Pursuit Data Integration Pipeline | ApacheSpark, PostgreSQL, Elasticsearch

- Built scalable data pipelines using Apache Spark PostgreSQL to support complex entity mapping and search queries.
- Designed an ETL pipeline using PySpark to clean, transform, and aggregate data, reducing processing time by 40%.
- Proposed read/write separation strategies, table partitioning, and caching optimizations for scaling.