# SPOORTHI VEERESH KUMAR

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|datascienceportfol.io/spoorthiv20 |Madison,WI(Open to Relocate)

## Education

**University of Wisconsin Madison**                                      **August 2023 – May 2025**
*Master of Science in Information (Data Analysis)STEM*                          *United States*

**Visvesvaraya Technological University**                                **August 2019 – May 2023**
*Bachelor of Science in Computer Science and Engineering*                    *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(Pivot Tables, Macros),VisualStudio, Matplotlib
**Frameworks and Libraries:** Numpy, pandas,TensorFlow, PyTorch, GitHub, Apache Spark, PostgreSQL, PySpark

## Experience

**Interviewer.Ai**                                                          **Jan 2024 – Present**
*Data Scientist*                                                                   *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.
- Emphasized runtime deployment of models and monitoring for stability and Highlighted data procurement, enrichment, and cleansing routines in ML models

**UW - International Academic Program**                                     **July 2024 – Present**
*IAP Data Analyst Support*                                                     *Madison, WI*
- Designed comprehensive Tableau dashboards with custom calculated fields, parameters, and interactive filters to visualize student mobility patterns and program performance metrics
- Collaborated with stakeholders to interpret complex datasets and communicate actionable insights that improved program participation metrics by 12%

**University of Wisconsin Madison**                                         **Nov 2023 – May 2024**
*Research Assistant*                                                               *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**                                                    **Jan 2023 – June 2023**
*Data Analyst Intern*                                                             *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**                                                       **Sep 2022 - Feb 2023**
*AWS Cloud Intern*                                                               *Bangalore*
- Designed and implemented a CI/CD pipeline using Jenkins, reducing deployment time by 10%, with a focus on cloud environments.

## Projects

**International Student Service (ISS) Analysis Dashboard** | *Python, Tableau, Excel*
- Analyzed 5+ years of international student data from UW-Madison to identify enrollment trends and visa processing patterns.
- Created interactive Tableau dashboards visualizing key metrics including processing times, student demographics, and departmental distribution.
- Implemented data pipeline automation that reduced manual processing time by 25%, enabling more frequent data updates

**Pursuit Data Integration Pipeline** | *ApacheSpark, PostgreSQL*
- Built scalable data pipelines using Apache Spark  PostgreSQL to support complex entity mapping and search queries.
- Developed advanced search capabilities for high-throughput data retrieval.
- Proposed read/write separation strategies, table partitioning, and caching optimizations for scaling.