KAMAL RAJ VENDI

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🎓 EDUCATION

MSc Advanced Data Science & Artificial Intelligence,
University of Liverpool
2025 – Present
Liverpool, United Kingdom

B.Tech Computer Science and Engineering, *IIIT Bhagalpur*
2020 – 2024 | Bihar, India

🧠 TECHNICAL SKILLS

Programming & Data
- Python, SQL, R, Spark
- Data Cleaning, Feature Engineering, EDA

Big Data & MLOps
- Spark, DVC, MLflow, Kubeflow

APIs & Cloud
- REST APIs, Web Scraping (BeautifulSoup), IBM Cloud

Machine Learning
- Classification & Regression, SVM, Decision Trees
- Hyperparameter Tuning, Model Evaluation, GridSearchCV
- Ensemble Methods

Visualisation & Analytics
- Plotly Dash, Matplotlib, Seaborn
- Folium (Geospatial Analysis)
- Tableau, Power BI

Multicore & Quantum
- **Multicore Computing**: Parallelism
- **Quantum**: Teleportation, Machine Learning, Error Correction, Fault Tolerance

🏅 Achievements

- GATE-qualified
- Google Data Analytics Badge holder,
- Google Analytics certified professional.

📇 PROFESSIONAL SUMMARY

I'm an emotionally intelligent and adaptable master's student in data science. I've transitioned from a successful career andam eager to apply my analytical skills in a new industry setting in the UK. I'm skilled in Python, modern data tools, and cloud platforms, and I'mpassionate about transforming complex data into meaningful insights and impactful solutions. I thrive in team environments that value curiosity, learning, and innovation. I'm seeking a year in industry placement to further develop my technical skills, contribute to data-driven projects, and grow as a data professional

💼 EXPERIENCE

AI Consultant Intern, *Accenture*
Nov 2025 – Dec 2025 | Remote
- Investigated how artificial intelligence transforms business consulting through real-world case studies and innovation frameworks.
- Applied tools such as the **5 Whys**, **SWOT analysis**, **Root cause analysis** and **SCAMPER** to identify and resolve organisational challenges.
- Conducted **market research** and business model analysis to propose AI-driven solutions for client scenarios.
- Delivered a strategic report and presentation, **demonstrating insights** on AI integration and consulting best practices.

Data Analyst Trainee, *MedTourEasy*
Jun 2023 – Jul 2023 | Remote
- Successfully completed a rigorous one-month training programme focused on data handling analysis and visualisation providing hands-on experience with **industry-relevant methodologies**.
- Conducted **statistical analysis** on 77 age groups (10-86 years) identifying gender-based population trends and insights into demographic shifts.
- Created three or more interactive data visualisations using Matplotlib and Pandas improving **stakeholder** understanding by 30% and enabling faster decision-making.
- Applied exploratory data analysis (EDA) techniques to identify key **demographic trends** optimising data-driven decision-making by 20% and enhancing **report generation** efficiency.

📁 PROJECTS

SpaceX Falcon 9 Landing Success Prediction,
IBM Data Science Professional Capstone
- Built a **machine learning pipeline** to predict **Falcon 9 first-stage landing success**, supporting **cost analysis for reusable launches** (saving ~**$100M per launch**).
- Collected and prepared launch data using **REST APIs and web scraping (BeautifulSoup)**; performed **data cleaning and feature engineering** in **Python (Pandas, NumPy)**.
- Conducted **exploratory and geospatial analysis** using **Folium** to evaluate launch site locations and safety constraints.
- Developed **interactive dashboards** with **Plotly Dash** to analyse success rates by **payload mass and launch site**, identifying **KSC LC-39A as the top-performing site (76.9%)**.
- Trained and evaluated **classification models** (**Logistic Regression, SVM, Decision Tree**) with **Scikit-learn**, using **GridSearchCV** for model optimisation

⭐ Additional Projects

Trace AI Watermarking , Parkinson's Diseases Detection, H1N1 Vaccination Prediction, NYC Taxi Fare Prediction, Heart Disease Prediction, Real-Time Object Detection,Stock Market Prediction,,Handwritten Digit Recognition, Demographic Age Analysis.

📇 CERTIFICATIONS

- Google Data Analytics Professional Certificate
- Cert-Nexus Certified Data Science Practitioner
- Introduction to Neuro-linguistic Programming
- Google Advanced Data Analytics Capstone
- IBM Applied Data Science Capstone