NIKHIL MUNESHWAR
DATA SCIENCEIST/ANALYST/ENGINEER
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PROFILE

Recent MSc Data Science graduate with **Distinction** from Kingston University, skilled in data engineering, machine learning, and cloud technologies. Over one year of professional experience building scalable data pipelines and optimizing processes using tools like Apache Airflow, Spark, AWS, and Python.

EDUCATION

MSc, Data Science | Kingston University, Kingston upon Thames   *January 2024 – July 2025*
- Graduated with Distinction.
- **Modules:** Project Dissertation (Grade A); Databases and Data Management (Grade B); Machine Learning and Artificial Intelligence (Grade A); Data Analytics and Visualisation (Grade A); Applied Data Programming (Grade A-)
- Developed strong analytical skills in data processing, visualization, and AI, with hands-on projects in predictive modelling and large-scale data management.

BTech, Information Technology | Vishwakarma Institute of Technology, Pune   *August 2016 – May 2021*

TECHNICAL SKILLS

Programming: Python, R, Java, SQL, Bash
Data Engineering: Apache Spark, Apache Kafka, Airflow, ETL Pipelines, dbt, Databricks
Cloud & Databases: AWS, Azure, Google BigQuery, PostgreSQL, MongoDB
Data Analysis & Visualization: Tableau, Microsoft Power BI, Matplotlib
Machine Learning & AI: Scikit-learn (implied through projects), Predictive Modelling, Computer Vision
Development Tools: Git, Docker
Soft Skills: Communication, Problem-Solving, Team Collaboration, Professional English

PROFESSIONAL EXPERIENCE

Data Engineer | ATDev   *August 2022 – December 2023*
- Designed and managed scalable data pipelines processing 5+ TB/week using Apache Airflow, Spark, and Kafka, ensuring efficient data flow for business insights.
- Built cloud architectures with AWS services (S3, Redshift, CloudWatch) to handle large datasets, optimizing for performance and scalability.
- Deployed workflows using Git, Docker, and Python in agile teams, fostering collaboration to meet project goals.

Software Developer | IdealVillage   *January 2021 – July 2022*
- Developed cross-platform web and mobile applications using React, Flutter, and Android Studio, integrating MongoDB and external APIs (e.g., payments, maps) to enhance user experience and reduce load times by 30%.
- Collaborated in agile environments with designers and product managers to deliver secure, high-performance solutions.
- Applied problem-solving skills to integrate data sources, improving application speed and functionality.

PROJECTS

Football Analysis System using Computer Vision and Machine Learning | London (MSc Dissertation)
- Developed a system to analyse football videos with Python, YOLOv11, Byte-track, KMeans, Optical Flow, and OpenCV, measuring metrics like player speed, distance, and possession from single-camera feeds. ([Link](#) Page No. 106)
- Applied data analytics and ML techniques to derive actionable insights for coaching staff and analysts, published at MathSport International Conference (2025).
- Demonstrated ability to handle complex data challenges, relevant to energy sector applications like predictive maintenance or resource optimization.

House Price Prediction

- Cleaned and prepared datasets using feature selection algorithms, tuning hyperparameters to optimize model performance.
- Investigated data impacts on predictive outcomes, building skills in data preprocessing and modelling to support real-world decision-making (e.g., property valuation).

Real-Time Face Identification using Python
- Created a live face detection system with OpenCV's Haar Cascade Classifiers, NumPy for image processing, and VideoCapture for frame-by-frame tracking.
- Implemented preprocessing techniques (grayscale conversion, histogram equalization) to enhance accuracy and speed in real-time applications.

CERTIFICATIONS

Deloitte - Data Analytics Job Simulation | Forage   *August 2025*
- Analysed data using Excel and Tableau to create dashboards and draw business conclusions in forensic technology scenarios.
- Link to Certification

British Airways - Data Science Job Simulation | Forage   *July 2025*
- Scraped and analysed customer retail data (e.g., web interactions, booking history) to build predictive models influencing buying behaviour.
- Link to Certification

REFERENCES

Dr. Xing Liang (Senior Lecturer), Kingston University | x.liang@kingston.ac.uk
Dr. Gordon Hunter (Associate Professor), Kingston University | G.Hunter@kingston.ac.uk

VISA

Full Right to Work in the UK (Graduate Visa until April 2027).

ADDITIONAL INFORMATION

Strong academic record with MSc completed in 2025 (within last three years), graduated with Distinction (2:1 or above).