

Nikhil Sajeev Kumar

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EDUCATION

MSc in Data Science & AI

Jan 2026 – Jan 2027

University of Liverpool, Liverpool, United Kingdom

- Modules: Research Methods in Computer Science, Programming Fundamentals, Maths and Statistics for AI and Data Science, Advanced Geovisualisation, Applied Artificial Intelligence, Database and Information Systems, Geographic Data Science, Big Data and Society: Foundations, Politics and Policy.

B.Tech in Electrical and Electronics Engineering

Jul 2020 – May 2024

Mar Baselios College of Engineering and Technology, Thiruvananthapuram, Kerala

PROJECTS

Airbnb Price Prediction, *Python, scikit-learn*

[GitHub](#)

- Achieved 87% accuracy and reduced prediction error by 12% via feature engineering and regression models.
- Improved interpretability with correlation analysis, one-hot encoding, and feature importance evaluation.

Customer Churn Prediction, *Python, scikit-learn*

[GitHub](#)

- Attained an F1-score of 0.84, correctly identifying 92% of high-risk customers.
- Enhanced performance through hyperparameter tuning and explainable AI techniques.

KPMG Customer Segmentation, *Excel*

[GitHub](#)

- Segmented 1,000+ customers, boosting targeted marketing efficiency by 15%.
- Built interactive PivotTable dashboards to visualise purchasing patterns.

IMDb Sentiment Analysis, *Python, NLP*

[GitHub](#)

- Classified 50,000+ reviews with 89% accuracy using TFIDF and logistic regression.
- Visualised sentiment trends to support content moderation insights.

Walmart Sales Analysis, *MySQL*

[GitHub](#)

- Wrote advanced SQL to analyse product, branch, and seasonal sales trends.
- Delivered insights on top-performing branches and products for operations.

Airline Performance Dashboard, *Power BI*

[GitHub](#)

- Analysed 500,000+ flight records to track delays, cancellations, and trends.
- Created DAX-based KPIs enabling quick decision-making for airline operations.

LEADERSHIP AND ACTIVITIES

Secretary, IEEE PES Student Branch

2022 – 2023

MBCET

- Led planning and delivery of technical workshops and talks; secured sponsorship and budget; helped the branch earn High Performing Student Branch Chapter recognition.
- Built and coordinated a core team, introducing checklists and run-of-show timelines to keep events on schedule.

Core Member, Illumina MBCET EEE Department Association

2023 – 2024

MBCET

- Coordinated exhibitions, workshops and seminars for the department fest; handled scheduling, vendor liaison and on-ground operations.
- Set up a feedback loop (forms + debriefs) to refine the line-up and lift attendee engagement.

Volunteer, IEEE SPICES Conference

Mar 2022

MBCET

- Managed attendee registration data and on-site logistics (check-in, room turns, speaker support) for a smooth conference experience at the IEEE International Conference on Signal Processing, Informatics, Communication and Energy Systems.