

# Yashaswini Talakadu Vijaykumar

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## SUMMARY

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Graduate student in Data Science with expertise in SQL, Python, R and statistical analysis for data-driven decision-making. Skilled in extracting, cleaning, and modeling complex datasets, building predictive models, and creating insightful visualizations. Strong communicator with proven ability to translate analytics into actionable business recommendations.

## EDUCATION

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### Queen Mary University of London (QMUL)

London, UK

Master of Science in Data Science, Grade: Merit

Sept 2024 – Sept 2025

Relevant Courses: Neural Networks and Deep Learning, Machine Learning, Applied Statistics, Numerical Analysis

## SKILLS

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Programming Languages: Python, R, MATLAB, SQL, C

Software Tools & Packages: NLP, Pandas, NumPy, TensorFlow, Keras, PyTorch, Matplotlib, Seaborn, Power BI, Dashboards, Microsoft Office Suite, Jupyter Notebook, Google Sheets, LaTeX, GIS, CAD, AutoCAD, STAAD PRO

## WORK EXPERIENCE

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### Demonstrator, Big Data / Data Science, Queen Mary University of London, London, UK

Sept 2024 – Present

- Assisted in teaching and mentoring students on Big Data frameworks, Python, and ML pipelines.
- Supported labs, grading, and project guidance for 50+ undergraduate students.

## PROJECTS

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### Scientometric Analysis of Machine Learning

2025

Analyzed trends, patterns, and research impact in Machine Learning using scientometric methods, highlighting publications, influential authors, and emerging topics.

### Detection of Human Facial Expression Using Machine Learning

2025

Used deep learning and CNNs to recognize human facial expressions; applications include medical research for autism therapy and deepfake detection.

### Student Online Attendance Management

2024

Developed an online system to track student and employee attendance with precise entry and exit times, providing complete attendance data through a web interface.

### Tower of Hanoi

2024

Implemented the classic Tower of Hanoi puzzle to demonstrate algorithmic thinking and recursion in programming exercises.

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**Volunteer Experience:** Served as academic support instructor at an NGO (Make A Difference), teaching \*\*computer science\*\* to final-year high school students for two years.