Akassh Manikandan

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Leicester, UK |

SUMMARY

Currently pursuing an MSc in Advanced Computer Science at the University of Leicester with hands-on experience solving business problems using machine learning, data visualisation, and portfolio analytics. I am actively seeking opportunities in performance measurement, attribution, and risk analysis within financial services. I have the right to work in the UK.

EDUCATION

MSc in Advanced Computer Science | University of Leicester, Leicester | January 2024 – July 2025
- **Grade: 2:1 (Expected)**
- **Modules:** Machine Learning, Data Analytics, Software Engineering
- **Dissertation:** Designing 3D Visualisations of Human Emotions for Real-Time Interaction and Evaluation

B.E in Computer Science and Engineering | Prathyusha Engineering College, Chennai | 2019 - 2023
- **Grade: First Class**
- **Modules:** Artificial Intelligence, Database Management Systems, Distributed Systems

WORK EXPERIENCE

Food Runner | NICCO Restaurant, Derby **| Jan 2025 – May 2025**
- Delivered food and beverages to guests with speed and accuracy, ensuring 100% compliance with service timelines and customer satisfaction.
- Assisted in reducing customer wait times by 25% during peak hours by efficiently coordinating with kitchen and floor staff to streamline order delivery.

PROJECTS

3D-Emo: Designing 3D Visualisations of Human Emotions
- Developed a real-time 3D emotion recognition tool achieving 80%+ accuracy using t-tests and ANOVA in R, visualised using matplotlib, seaborn, and Power BI.
- Enabled interactive emotion analysis through Unity and integrated Blender for dynamic 3D rendering.

British Airways Data Science Simulation – Forage
- Delivered insights related to customer segmentation and portfolio risk behaviour using Python and data visualization tools.
- Built and deployed a predictive model to identify key drivers of customer buying behaviour, improving targeting strategy.

Profit Predictor and Business Analytics *(In progress)*
- Designed a fully functional dashboard and predictive model for a manpower-based business. The system correlates attendance records, per-employee salary, PF/ESI rules, EMI, and business income to forecast monthly profits with real-world accuracy.

LANGUAGES, SKILLS AND CERTIFICATES

- **Languages:** English (Fluent), Malayalam (Native), Tamil (Native), Hindi (Proficient)
- **Skills:** Familiar with core concepts in portfolio analytics and risk attribution from academic and simulated projects. I am Skilled in Python, R, SQL, Power BI, Tableau, Java, Flask, REST APIs, MongoDB, Excel (advanced), VBA for automation, GitHub, Figma, and Agile methodologies. Proficient in data visualization and statistical analysis (ANOVA, t-tests). Basic understanding of equities, fixed income, and derivatives.
- **Certifications:** Microsoft Certified: Azure Data Fundamentals (In-Progress), Advanced Java, Python with Data Science, R Programming, Power BI (NIIT, Chennai).