

Mahesh Reddy

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Experienced data analyst with a strong background in data collection, data visualization, and problem-solving. Skilled at identifying trends and patterns in complex data sets and presenting findings in a clear and concise manner. Proven ability to work independently and as part of a team to deliver high-quality results on time.

Education

Master of data science – University of Hertfordshire, London, UK

2020 – 2022

Key Modules: Deep Learning, Neural Networks, Machine Learning, Data Mining

MSc. Dissertation: Fake News detection using Machine learning and Natural Language Processing

Used a variety of machine learning, deep learning models to create an automated prediction model and then Evaluated model performance using Explainable AI frameworks like SHAP (Shapley Additive explanations) and LIME (local interpretable model-agnostic explanations).

Bachelor of Mechanical Engineering – MLR Institute of Technologies, Hyderabad, India

2013 - 2017

Key Modules: Statistics, Probability, Mathematics, Production, Thermal

Experience

Orcalo Holdings – London – Data Analyst

2021 – Present

- Undertook a detailed study to research and analyse the business requirements in respect to the information given, after which the prior knowledge of Power BI was implemented in place to produce dashboards and reports based on the requirements.
- Engaged in processing the data using SQL to read, understand, and manipulate it for database storage. In addition, learnt the use of mongo DB to store the data.
- Assisted and involved with the managerial representatives in visualizing the data and identifying the differences in data distribution that may have an impact on model performance, by trailing with combinations of machine learning algorithms. To manage the project, learnt and used project management tools which includes Jira, Airtable and Monday.com.
- In accordance with the demands and workload of the organisation, led a team of 20 individuals who are expertise in data and business analysis by assigning tasks, and organizing training sessions.
- Advised and assisted the company on its productivity and efficiency by creating marketing integrations and workflows with HubSpot. Additionally, I had the chance to conduct the interviews and find new hires while keeping in mind about the purpose of the business produces.
- Made the most of the available resources to learn more and accomplish their goal.

Tech Auto Pvt Ltd – India - Assistant Engineer

2018 – 2020

- Used Excel to organize company's production data and stock reports into detailed pivot tables.
- Used Power BI to prepare weekly and Monthly Production dashboards.
- Collaborated with other engineers to develop, study, and enhance engineering processes and products.
- Working closely with suppliers and creating reports for the management.
- Interpreted and analysed results and data.
- Implemented new production techniques which helped the firm to reduce the rejections rate and improved production rate.

Skills

Frameworks	: Python, HTML
Platforms	: Power BI, AWS Services.
Databases	: MySQL, Mongo DB.
Management Tools	: Jira, Airtable, Monday.com, Miro.
Packages	: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, NLP.
Tools	: HubSpot, Git.

Projects

- Fake News detection using Machine learning and Natural Language processing - ([GitHub](#))
- Deep Learning Project: Analysis of Deep Learning techniques for Corona Virus Diseases - ([GitHub](#))
- Hate Speech Detection in social media (Twitter) – CNN and NLP. ([GitHub](#))
- University Data Analysis using Power BI -United Kingdom Universities ([GitHub](#))

Certifications

- Complete MySQL mastery– **Code with Mosh**
- Real time use cases using machine learning: Time Series Analysis – **Udemy**
- Google data analytics professional certificate – **Coursera**
- IBM data science professional certification - **Coursera**
- Internship experience UK – technology – **Orcalo Holdings.**

Reference

- Salman Idrees (CTO at Orcalo Limited) - salman@orcalo.co.uk
- Sangeetha Sigamani (Senior Business Analyst at Orcalo Limited) - sangeetha@orcalo.co.uk