

Rohith Obillaneni

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SUMMARY

Graduate Data Scientist with strong experience in machine learning libraries such as Scikit-Learn, TensorFlow, and PyTorch. Proficient in utilizing statistical techniques, data mining, and predictive modelling to drive data-driven business decisions. Solid SQL knowledge for data manipulation, familiarity with data visualization tools, and expertise in cloud platforms like AWS. Excellent problem-solving skills and ability to communicate complex concepts.

EXPERIENCE

Data Scientist Intern

02/2024 – present | Luton, UK

INeuron Pvt Ltd

- Developed an end-to-end traffic prediction model using Python, AWS, and Snowflake, achieving 22% higher accuracy through feature selection and hyperparameter tuning.
- Conducted in-depth market research, identified 5+ key trends, and applied Power BI for insightful data visualisation to inform strategic decisions.
- Integrated MLOps pipelines with MLflow, Docker, CI/CD and Jenkins, reducing deployment time by 15% while ensuring Efficient and scalable deployments of ML models.
- Collaborated with a team of data scientists and engineers to develop a machine learning model using PyTorch, which improved prediction modelling accuracy by 25%.
- Conducted EDA using Pandas and Seaborn and produced detailed documentation that improved stakeholder satisfaction by 35% with effective communication and data storytelling.

Data Scientist

09/2020 – 12/2021

EnR Consultancy Services

Milton Keynes, UK

- Led facial recognition system using Python, SQL and robust data engineering practices, achieving 99% accuracy with pattern recognition techniques and model optimisation.
- Designed and implemented a complete ML pipeline, including data preprocessing on complex datasets, feature engineering, statistical modelling and model tuning using Databricks.
- Researched and applied advanced image processing and NLP techniques, incorporating data into Agile workflows, achieving 25% enhancement in model performance and innovation.
- Developed an NLP chatbot with LLMs and AI using Spark, boosting Predictive Modelling accuracy by 35%, and integrated the fine-tuned chatbot into MLOps workflows using Git.
- Enhanced data-driven decision-making by 30% with data visualisation in Tableau and Power BI and communicating market-based reporting with stakeholders via interactive dashboards.

EDUCATION

Master's in Data Science and Analytics

01/2022 – 01/2024 | Hatfield, UK

University of Hertfordshire, Grade: Distinction

Bachelor's in Computer Science and Engineering

06/2018 – 05/2021 | Bapatla, India

Bapatla Engineering College, Grade: Distinction

SKILLS

Machine Learning & AI: Linear Regression, Random Forest, Predictive Modelling, GPT, BERT

Cloud Computing: AWS, Azure, Sagemaker, Data bricks, MLOps, CI/CD pipelines, ElasticSearch

Python programming: Numpy, Pandas, Scikit-Learn, Keras, TensorFlow, API, PyTorch.

Natural Language Processing: Large Language Models (LLMs), GAN, Diffusion, Generative AI.

Data Visualisation: Tableau, Power BI, Matplotlib, Seaborn.

Statistical Analysis and Applied Mathematics: Probability, Hypothesis Testing, Anomaly Detection.

Data Engineering and Big Data: Snowflake, SQL, MySQL, Data Wrangling, Hadoop, Spark.

PROJECTS

Fraud Detection in Financial Transactions

- Technologies: XGBoost, SMOTE, KNN, Linear Regression, Machine Learning Pipelines, Python, Data Cleaning, Scikit-Learn, Finance, Risk Analyst, and Optimisation Techniques.
- Reduced false positives by 20% and achieved 92% precision in fraud detection with XGBoost. Prepared impactful feature engineering, achieving 98% accuracy in detecting fraud.

Contextualised Generative AI Models for Question Answering System

- Used Technologies: BERT, SQuAD dataset, GPU, Generative AI, PyTorch, Transformers.
- Fine-tuned BERT on SQuAD, achieving higher EM metrics. Proposed early stopping for a 25% performance boost. Enhanced user engagement and query accuracy by 30%.

CERTIFICATES

British Airways Data Science Job Simulation on Forage: [🔗](#)

Machine learning using Python on Udemy [🔗](#)

SQL for Data Science on Coursera [🔗](#)

Amazon Web Services(AWS) Machine Learning Speciality

AWARDS

Sport Coordinator Award: Leadership

02/2021

Issued by Bapatla Engineering College

Recognised for exemplary sports coordination and leadership at the BEC National Tech Fest.

Best National Project

09/2019

Secured 2nd rank in the National Project Competition for Feedback Analyser, demonstrating excellence in NLP and ML for insightful user feedback analysis using Google Cloud.