SAKTHEESWAR K

+91 8939703436 Chennai, Tamil Nadu, India

saktheeswar71.k@gmail.com linkedin.com/saktheeswar-k github.com/saktheeswar71



EDUCATION

B.Tech Artificial Intelligence and Data Science, **2021 -2025**
St. Joseph's Institute of Technology CGPA: 6.53

EXPERIENCE

Unified Mentor Pvt.Ltd, **Jan 2024 - Mar 2024**
Data analyst Intern *Chennai*

- Analyzed over 5+ years of Netflix subscription data and forecasted future growth using Python-based time-series models, including ARIMA and LSTM, improving forecast reliability by 18%.
- Processed and visualized 1M+ data records to extract actionable insights, driving a 15–20% improvement in prediction accuracy and supporting data-driven decision-making.
- Built and deployed end-to-end machine learning pipelines for subscription forecasting, enabling scalable, automated model training and reducing manual effort by 40%.

PROJECTS

Netflix Subscriptions Forecasting using Python - *Python,NumPy,Pandas,Matplotlib* - *Git*, **Feb 2024**

- Preprocessed Netflix subscription data (40 records) by fixing missing values and scaling features, which improved data quality and model readiness by around 20
- Built ARIMA and LSTM models in Python, achieving 10–15% better forecast accuracy after tuning, and used Matplotlib/Seaborn to visualize trends and model performance.
- Designed a reusable machine-learning pipeline, reducing manual steps by 30–40% and making the forecasting process faster and more organized.

Wildlife Animal Classification from Trap Images - *Python, NumPy, Pandas, Matplotlib* - *Git*, **Mar 2024**

- Developed a wildlife animal classification model using camera-trap images, improving identification accuracy by 12–18%, supporting ecological research and monitoring.
- Implemented YOLOv7, YOLOv8, and YOLOv9 models, achieving high detection precision and reducing misclassification rates by 10–15
- Applied image preprocessing techniques such as resizing and data augmentation, boosting dataset quality and model robustness by 25%.
- Achieved an accuracy of 88% in the training dataset of 2096 images after rigorous training spanning 150 epochs.

PUBLICATION

Liver Disease Prediction using Deep Learning: TabNet vs XGBoost **Mar 2025**
Saktheeswar K,Venkatesan S

- Liver Disease Prediction using Deep Learning: TabNet vs XGBoost – Applied TabNet on the ILPD dataset (583 records), achieving 5–8% higher accuracy than XGBoost while improving interpretability through TabNet's feature-attention insights. Presented the findings at ICASET-2025, demonstrating TabNet's potential for more reliable early-stage liver disease prediction in healthcare analytics.

TECHNICAL SKILLS

Technologies	Data Science and Analytics.
Programming Languages	Python,Sql,(JAVA).
Frameworks	Sklearn, Numpy, Matplotlib.
Tools/Platforms	VSCode,PowerBI,MYSql, HTML,CSS,Pycharm.
Soft Skills	Leadership, Team Management, Creativity.

CERTIFICATIONS

PrepInsta	HTML,CSS.
NPTEL	Cloud Computing.
Cambridge English	B1 Preliminary.