
Ananthmanoj's Work Experience

Data Scientist

Net Connect Globals | Bangalore, India

Dec 2024 – Present

- Developed a robust customer churn prediction model using XGBoost, Random Forest, and Logistic Regression, improving prediction accuracy to 94%.
 - Designed and implemented RFM-based feature engineering, enhancing model interpretability and performance.
 - Utilized SQL for data preprocessing and Google Colab & Jupyter Notebooks for collaborative model development.
 - Delivered actionable insights to stakeholders, reducing potential customer attrition significantly.
- Tools: Python, SQL, Jupyter, Git, Colab | Domain: Customer Analytics, Classification Models

Data Scientist

iElektron Technologies Pvt. Ltd. | Bangalore, India

Nov 2021 – Dec 2024

- Spearheaded design and deployment of Computer Vision and Multi-Modal ML models for ADAS (Advanced Driver Assistance Systems).
- Built real-time driver behavior analysis models using EfficientNet-B3 and LSTM, achieving 85% precision and 25% reduction in false alerts.
- Integrated MediaPipe Face Mesh (468-point landmarks) for accurate head pose estimation under occlusion using IR cameras.

- Developed *CNN-XGBoost hybrid models* for temporal activity recognition with **92% recall** on complex driving scenarios.
- Deployed solutions using **AWS, DataBricks, and PyCharm**, handling **10k+ data records** from video feeds and vehicle telemetry.

Tools: Python, TensorFlow, AWS, DataBricks, SQL, Git, PyCharm |

Domain: Computer Vision, ADAS, Time-Series Analysis

Data Analyst

Wipro Ltd | Bangalore, India

Feb 2018 – Nov 2021

- Promoted from **Project Engineer** to **Data Migration Expert** in the **AI and Data Analysis** vertical.
- Led the **extraction, transformation, and migration** of large-scale client data, aligning with strategic business objectives.
- Conducted **feature extraction & preprocessing** tailored to business use cases, enabling smooth transitions to new systems.
- Engaged in **ETL workflows** and **SQL scripting** to streamline data pipelines and analytics tasks.

Tools: Syniti ETL, Python, SQL, MySQL | **Domain:** Data Migration, Business Analytics

Projects & Freelance Work

- **Recipe Recommendation System:** Developed a smart assistant that recommends dishes based on available ingredients using **content-based**

filtering and NLP.

Tools: Python, Pandas, Scikit-learn

All Skills:

Machine Learning : supervised learning, unsupervised learning, K-Nearest Neighbors, Random Forest, Ensemble Techniques, Decision Tree, Naïve Bayes, SVC, SVM Deep Learning : Neural Network (ANNs), Convolutional Neural Network (CNNs), Long-Short Term Memory (LSTMs), DNN Libraries: Pandas, SciPy, Numpy, Scikit-learn, NLTK, Keras Statistical Analysis : Predictive Analysis, Principal Component Analysis, Dimensionality Reduction, Exploratory Analysis Data Visualization : Tableau, Matplotlib, Seaborn, OpenCV, MS Excel Programming Language : Python, C++, Shell Database Language : SQL, MySQL, Oracle, MongoDB

Education:

- *Masters in Data Science (02/2024) Deakins University, associated with Great Learnings*
 - *Post Graduate in Artificial Intelligence and Machine Learning (10/2020) University of Texas at Austin, associated with Great Learning*
 - *Bachelor of Engineering - Computer Science and Engineering (05/2018) Visvesvaraya Technological University*
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Hobbies:

- *Musician: Plays Tabla*
- *Youtube: https://www.youtube.com/@am_nayak*
- *Adventurer*
- *Like to play football, cricket*

