AMBIGAPATHI V

Mettur Salem- Tamil Nadu

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Education

Annamalai University   May. 2018 – May 2022
Bachelor of Agriculture   *Chidambaram, Tamil Nadu*

Relevant Coursework

- Python for Data Science
- Statistical Machine Learning(ML)
- Deep Learning
- Natural Language Processing (NLP)
- Database Management Systems
- Data Visualization Techniques
- Big Data Analytics
- Data Structures and Algorithms

Projects

Predictive Health Insurance Model | *Shield Insurance, Streamlit*   **July 2024**
- Developed a machine learning model using the Random Forest algorithm to predict health insurance premiums based on customer profiles, improving underwriter efficiency by 30%.
- Deployed the model through a Streamlit app, providing real-time premium predictions.
- Collaborated with data engineers and underwriters to refine model accuracy, achieving a 97% prediction accuracy.

Credit Risk Model Development | *Lauki Finance, Streamlit*   **August 2024**
- Built a machine learning model using logistic regression and decision trees to classify loan applications into risk categories.
- Increased loan approval speed by 25%, providing real-time risk assessments through a Streamlit app.
- Collaborated with cross-functional teams to ensure smooth integration with the financial system.

Sales Insights Dashboard | *AtliQ Hardware, SQL, Power BI*   **September 2024**
- Designed an interactive Power BI dashboard to analyze sales trends and customer behavior from SQL databases.
- Delivered data-driven insights that enabled a 7% revenue increase in the next quarter.
- Improved the ETL pipeline for faster data refresh and enhanced dashboard performance.

Customer Churn Prediction | *Telecom Company, Streamlit*   **September 2024**
- Built an ANN model to predict customer churn with 85% accuracy using TensorFlow and Keras.
- Deployed via a Streamlit app, providing real-time predictions, enabling the company to take preemptive measures to reduce churn.
- Led data preprocessing and feature engineering to optimize the model's accuracy.

Technical Skills

Languages: Python, HTML/CSS, SQL
Developer Tools: VS Code, , Google Cloud Deployment(GCD), Asure
Technologies/Frameworks:Jenkins, GitHub, ML flow, Dogshub

Certifications

MySQL Database Certification   *Scaler (2024)*
Master Machine Learning for Data Science   *CodeBasics (January 2024)*
Python for Data Science Fundamentals   *Simplilearn (2024)*

Leadership / Extracurricular

Kaggle Competitions   **2024 – Present**
Participant   *Online*
- Participated in various Kaggle competitions to apply machine learning techniques and improve predictive modeling skills.
- Collaborated with peers to analyze datasets and develop competitive solutions, enhancing teamwork and problem-solving abilities.

INeuron   **2024 – Present**
Data Science Learner   *Online*
- Engaged in comprehensive data science courses on INeuron, focusing on real-world applications of machine learning and data analysis.
- Completed projects that applied theoretical knowledge to practical scenarios, enhancing technical skills and domain understanding.