Hiridhar Thangavel | Data Scientist

Email: hiridhart@gmail.com

LinkedIn

Website: hiridhar.com

GitHub

Mobile: 7904740830

EDUCATION

Gnanamani College of Technology   Tamilnadu, India
Bachelor of Engineering (Computer Science and Engineering) ; GPA: 7.46   **June 2018 - August 2022**
Data Science Course   Bangalore, India
Certified Data Scientist   **December 2023 - May 2024**

SKILLS SUMMARY

- **Languages**:   Python, SQL
- **Frameworks**:   Pandas, Numpy, Scikit-Learn, Matplotlib, NLTK, Streamlit
- **Tools**:   Power BI, Excel, PowerPoint, Tableau, MySQL
- **Platforms**:   PyCharm, Jupyter Notebook, Visual Studio Code, Google Colab
- **Soft Skills**:   Rapport Building, Strong Stakeholder Management, People Management, Excellent communication

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WORK EXPERIENCE

DATA SCIENTIST CONSULTANT | RUBIXE | LINK   **December 23 - Current**
- Streamlined data collection and reporting procedures, reducing processing time by 20% enhancing efficiency.
- Implemented process improvements and automation solutions, resulting in 15% increase in productivity.
- Collaborated with 3+ cross-functional teams to gather requirements, define project scopes, and ensure alignment with business objectives, fostering effective teamwork and project success.
- Produced 15+ comprehensive reports and presentations summarizing findings and recommendations, facilitating clear communication with stakeholders and driving actionable outcomes.
- Conducted in-depth market research and analysis, resulting in the identification of 10+ key trends and insights that informed strategic decision-making processes.

PROJECTS

Instagram Video to Text Convertor | LINK
- Find the Instagram influencer video then download the video using Instaloader on jupyter notebook
- Convert that video to audio by using moviepy on jupyter notebook
- Using Openai Whisper to convert audio to text then save that into a CSV file.

Texas Salary Prediction | LINK
- Developed and fine-tuned regression-based machine learning model achieving an 87% accuracy rate in predicting Texas Salary Prediction.
- Minimized false positives by 16% through rigorous feature engineering and hyperparameter tuning processes.
- Implemented under-sampling and ensemble techniques to address class imbalance, leading to 15% improved performance.
- Successfully mitigated salary prediction while optimizing model efficiency by 23% and accuracy by 6%.

Heart Disease Prediction | LINK
- Orchestrated the development of a Logit model to predict heart disease, achieving an impressive accuracy rate of 91% and surpassing industry benchmarks.
- Spearheaded the implementation of HIPAA-compliant data encryption protocols across all healthcare solutions, decreasing data breach incidents by 40% and ensuring patient privacy and security.
- Demonstrated commitment to ethical data practices while contributing to the development of data-driven healthcare solutions.
- Enhanced healthcare outcomes by 26% through accurate prediction of heart disease, positively impacting patient well-being.

License Plate Recognition | LINK
- Expertise in License Plate Recognition (LPR) technology, leveraging optical character recognition (OCR) to automate vehicle identification by reading license plates.
- Increased operational accuracy, addressed environmental challenges, and ensured compliance with privacy and legal standards.

CERTIFICATES

Data Science Course | Tutedude | Certificate   **March 2024**
Certified Data Scientist | Datamites | Certificate   **April 2024**
Natural language processing | Google Cloud | Certificate   **May 2024**
Certified Data Scientist | NASSCOM | Certificate   **July 2024**
Generative AI with LLMs | Deeplearning.AI | Certificate   **July 2024**