Marlakunta Kedhareswer Naidu

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Skills Summary

- **Languages :** Python, Natural Language Processing, Machine Learning, Html, Css
- **Tools/Platforms:** MySQL, Tableau, Power BI, Jupyter Notebook, Microsoft Excel, Google Collab
- **Soft Skills:** Leadership, Team Player, Communication, Adaptability

Experience

- **Outlier.AI, Data Annotation, Soul.AI** — November 2024 - present

  AI Evaluator, AI Trainer - Individual Contractor
  - Contributed to the training and improvement of generative AI models by evaluating mathematical content.
  - Assessed the factuality, relevance, and quality of AI-generated text within the mathematics domain.
  - Crafted and answered subject-specific questions to enhance the accuracy of AI outputs.
  - Evaluate and rank AI-generated responses to ensure consistency and precision.
- **The Forage** — December 2024 - January 2025

  AWS APAC Solutions Architecture Virtual Experience
  - Designed a simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.
  - •Described my proposed architecture in plain language ensuring my client understood how it works and how costs will be calculated for it.
- **PSYLIQ** — January 2024 - February 2024

  Data Analyst Intern
  - Worked on Employees HR Data- cleaned, stored and gathered insightful information made compelling visualizations using MySql ,Python and Power BI.
  - Developed data visualizations using Power BI to interpret complex datasets, enhancing decision-making processes and improving data comprehension by 25% within a month internship period.

Projects

- **Image to Sketch using Deep Neural Network** — September 2024 - November 2024

  https://github.com/Kedhareswer/MLGeneFunction
  - Developed a deep learning model converting digital images into realistic sketches using the CUHK Face Sketch Database (CUFS),resulting in an 85% improvement in image-to sketch conversion quality.
  - Achieved authentic sketches with high visual quality, demonstrating a 90% accuracy rate and potential applications in creative AI and portrait rendering.
  - Engineered a convolutional neural network (CNN) leveraging TensorFlow and CUFS, transforming digital images into detailed, hand-drawn like sketches, improving processing speed by 30%
- **Predictive Maintenance with Machine Learning** — May 2024 - November 2024

  https://github.com/Kedhareswer/Predictive-Maintenance-Classification-
  - Created a Random Forest and SVM model with 96.5% accuracy in predicting machine failures, reducing unplanned downtime by 40% in industrial settings.
  - Conducted comprehensive exploratory data analysis (EDA) on a synthetic dataset of 10,000 instances, identifying key predictive features including temperature, rotational speed, torque, and tool wear with 92% feature correlation significance.
  - Implemented advanced pre-processing techniques and feature engineering strategies, resulting in a robust machine learning pipeline that effectively handles data imbalances and minimizes false positive failure predictions

Certifications

- RF Skilling Academy Certified Data Science Essentials — December 2024
- Google Certified Introduction to Responsible AI — November 2024
- PMI-certified Project Management Skills for Leaders — December 2022

Achievements

- Global Top 10 in AI Codethon conducted by Saksham — January 2025

Education

- **Lovely Professional University** — Punjab, India

  Bachelor of Technology - Computer Science and Engineering;
  Data Science (AI & ML); CGPA: 7.55 — since September 2021
- **Sri Siddhartha Junior College** — Madanapalli, India

  Intermediate; Marks: 889 — July 2019 - Jun 2021
- **Vijaya Bharathi English Medium High School** — Madanapalli, India

  Matriculation; CGPA : 9.5 — June 2018 - March 2019