

Ravikumar Dobbali

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github linkedin

Summary

Enthusiastic and adaptable professional aspiring to thrive as a versatile Data Scientist, Machine Learning Engineer, and AI Engineer. Skilled in Python, Scikit-Learn, TensorFlow, and Keras, I bring a solid foundation in statistical analysis, machine learning, and data-driven strategies. Eager to contribute to innovative projects and actively seeking opportunities to apply my diverse skill set in the dynamic fields of data science and AI.

Experience

- **Data Analyst Intern — Quantum** [Aug 2023]
 - Worked on statistical analysis and devised data-driven strategies for optimizing performance.
 - Delivered a monitoring BI dashboard to track business performance.
- **Data Analyst Intern — KPMG** [July 2023]
 - Applied statistical analysis to identify patterns and devised data-driven strategies.
 - Extracted, processed, and analyzed data to solve analytical issues.
 - Delivered a monitoring dashboard to track business performance.

Projects

- **BudduAI - AI Assistant:**
 - Developing an AI assistant with capabilities like desktop control, object detection, text summarization, and image generation.
 - Focusing on integrated features for controlling desktop apps, summarizing books, generating images, and recognizing entities using NLP.
 - **GitHub:** Buddu-AI
- **AI Virtual Painter:**
 - Creating a project enabling drawing and writing using computer vision.
 - Key features include drawing, writing, and other functionalities using AI techniques.
 - **GitHub:** AI-Virtual-Painter
- **Movie Recommendation System:**
 - Implemented a Movie Recommendations website using Django, suggesting movies based on user preferences, viewing history, and favorites.
 - Utilized recommendation techniques such as collaborative filtering and content-based filtering.
 - **GitHub:** Movie-Recommendation-system
- **Text Summarization:**
 - Developed a Text Summarization application using Flask, NLP techniques, and Python.
 - Leveraged the NLTK library for sentence tokenization, stop-word removal, and cosine distance computation.
 - Implemented the PageRank algorithm with NetworkX for efficient and accurate text summarization.
 - **GitHub:** Text-Summarizer

- **Next Word Prediction:**

- Engineered a Next Word Prediction system using NLP techniques and deep learning models like LSTM and GRU.
- Implemented a robust solution using tokenization, Tokenizer, and Ngrams to predict the next word in a sequence.
- **GitHub:** Next-Word-Prediction

- **Hyderabad House Rent Prediction:**

- Developed a Streamlit app for predicting house rents in Hyderabad using various machine learning techniques.
- **GitHub:** Hyderabad-House-Rent-Prediction

Skills

Technical Skills

- **Languages & Web Development:** C, Java, Python, HTML5, CSS, Tailwind CSS, JavaScript, PHP, JSP, Servlets, XML, Flask, Django
- **Data Science & Machine Learning:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, TensorFlow, Keras
- **Neural Networks:** ANN, CNN, RNN, LSTM
- **Database & Version Control:** MySQL, Oracle, Git, GitHub
- **Data Analysis & Visualization:** EDA, Association Rules, Clustering, Classification Rules, Microsoft Power BI, Excel, Jupyter Notebooks

Education

- **Bachelor of Engineering** [2021 - Present]
Artificial Intelligence and Machine Learning
University College Of Engineering, Osmania University 9.04 CGPA
- **Intermediate** [2019 - 2021]
Sri Gayatri Junior College 97
- **SSC** [2019]
ZPHS Mastipur 9.7 GPA

Achievements

- Apprentice at Amazon ML Summer School 2023.
- IEEE CS organizer in our college.