PRASANNA REDDY TAVANAM

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CAREER OBJECTIVE

To secure a demanding entry-level role in an organization where I can utilize my technical expertise, problem solving ability and gain insights from seasoned professionals while participating in innovative projects.

EDUCATION

1. **Bacherlor of Technology, Information Technology, QISCET, 2021 – 2025**
   - ✓ **CGPA:** 8.3/10.0
   - ✓ **Relevant CourseWork:** Data Structures and Algorithms, Python, Tensorflow, NLP, Java, OOPS, Software Engineering
2. **Intermediate, MPC, Sri sai vikas jr.college, 2019 – 2021**
   - ✓ **Marks:** 941/1000
3. **SSC, AP Model School, 2019**
   - ✓ **CGPA:** 8.5/10.0

PROJECTS

Face Mask Detecting System | Link | Python, Tensorflow, CNN model   Feb 2025 - April 2025
- Developed a convolutional neural network (CNN) model using TensorFlow and Python, which Delivered 95% Data accuracy in detecting whether individuals in images are wearing face masks.
- Engineered an advanced face mask detection algorithm processing images in under 2 seconds; Boosted public health safety.
- Leveraged Deep Learning techniques and Python libraries to optimize model performance and reduce false positives by 20%
- Tech Stack Used: Python (NumPy Pandas, Sklearn, PIL, OS, CV2), TensorFlow, CNN Model

Multimodal AI enhanced educational assistant| Link | python,Streamlit,NLP,OpenAI,Tensorflow   Dec 2024 - April 2025
- Designed and built chatbot to enhance the learning experience by leveraging advanced deep learning and NLP technologies.
- The chatbot enables users to interact with various types of media types like audio,video,youtube url,photo,text,pdf.
- Gemini 1.5 pro model used for real time inference and NLP,GenAI used for summarization of input data and GPT-3.5 used for chatbot like mentor.
- Key findings indicate high accuracy for text based queries of 92.5%, with satisfactory results for image based is 88.4%,for video based is 85.7%.

TalentScout-An AI Hiring Assistant | Link | Python,Generative AI,Streamlit   March 2025 – April 2025
- Designed and buit chatbot to guide job seekers by analyzing the user data like education, skills, job description, required role.
- The chatbot enables user to ask few questions within the mentioned skills and checks users ability, based on that, chat guides user to improve user's ability.
- The chatbot does not deviate from the topic and maintains continuity throughout the session, it facilitates user and reduces tokens for memorizing chatbot.
- Gemini 1.5 pro model used for realtime inference,which known for generating and conversational text.

SKILLS

Programming Languages: Python, DSA, Java, Basics of JavaScript, MySQL, NoSQL.
Tools & Libraries: TensorFlow, Keras, React, Beautiful Soup,
Technical Skills: Machine Learning, Deep Learning, Natural Language Processing (NLP), Statistics, Data Analysis, Data Preprocessing, VSCode, Eclipse.
Other Skills: Data-Driven Decision Making, Data Quality Maintenance, Collaboration, Version Control (Git/GitHub), Problem Solving, Continious learner.
Lang. known: English(Fluent), Telugu(Native).

CERTIFICATIONS & BADGES

- ✓ Machine Learning Fundamentals, Alteryx, 2023.
- ✓ Cloud Foundations, AWS Academy, 2023.
- ✓ Develop GenAI using Gemini & Streamlit(Badge),Google cloud, 2025.
- ✓ SQL basics, Hackerrank, 2024

ACHIEVEMENTS

- ✓ Delivered a seminar to classmates on chandrayaan-3 mission, covering its rocket design and successful landing.
- ✓ Participated in and was recognized in a group discussion at the college fest.
- ✓ Enhanced problem sovling and coding skills by solving over 100+ problems in Leetcode,Hackerrank,Codeforces.