G Praveen Kumar Reddy

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Career Objective

Driven and detail-oriented AIML Engineer with a strong foundation in machine learning, deep learning, and data analysis. Passionate about developing AI-powered applications, optimizing algorithms, and leveraging Python, TensorFlow, and Flask to solve real-world problems. Eager to contribute to innovative solutions and collaborate in a dynamic team environment.

Education

Alliance University, AI-ML in Computer Science   Sept 2021 – June 2025
- GPA: 2.6/4.0

Sri Siddhartha Junior College, MPC   June 2019 – Mar 2021
- GPA: 9.05/10.0

Sathya Sai High School   June 2018 – Mar 2019
- GPA: 9.3/10.0

Internships

Machine Learning intern, CodTech, Bangaluru   June 2024 – Aug 2024
- Designed and optimized a Flask-based API for an AI-powered Text-to-Image Generation System, enhancing model response time and user experience. Integrated OpenAI's DALL·E and Stable Diffusion for high-quality image synthesis.
- Developed an intuitive Gradio UI, streamlining user interactions and enabling real-time text-to-image generation with model selection capabilities.

Python Developer, CodSoft, Bengaluru   Mar 2024 – Apr 2024
- Built a dynamic To-Do List Application using Python and Tkinter, incorporating an intuitive UI and task management features to enhance user productivity.
- Redesigned the UI with custom styling and enhanced accessibility, improving task visibility and overall usability.

Projects

Anime Recommended System   Link
- Engineered a personalized Anime Recommendation System using collaborative filtering techniques in Python, analyzing user ratings and preferences across 15,000+ titles to enhance recommendation accuracy
- Performed data preprocessing, feature engineering, and validation to ensure high-quality recommendations, achieving improved accuracy in user-based filtering techniques.
- **Language and Tools:** Python, Recommendation Algorithms, Google Colab

Text-to-Image-Generator   Website
- Designed and deployed an AI-powered Text-to-Image Generation System integrating OpenAI's DALL·E and Stable Diffusion, enabling seamless image generation from text prompts via Flask and Gradio
- **Languages:** Python, PyTorch, OpenAI API, Gradio, Google Colab

Portfolio Website   Website
- Performed UI testing to ensure responsive design and cross-browser compatibility, verifying proper rendering and functionality across different environments
- Integrated GitHub and LinkedIn for seamless portfolio access and deployed the project using Render, ensuring a smooth and reliable live hosting experience.
- **Languages:** HTML, CSS, VS Code, Flask, Render, Github

Co-Curricular Activities

Edureka: Awarded a certificate of participation in a demo session on data science and machine learning algorithms.

TATA Crucible: Received a certificate of participation in the TATA Crucible Campus Quiz 2024 organised by the Tata Group .

CIT Test: Successfully participated in the Common Internship Test, demonstrating commitment and dedication to professional development.

Certifications

- AI Python for Beginners (Coursera)
- Introduction to Artificial Intelligence (Coursera)
- Participation certificate in Self-driving car from techtrunk (Hackathon)
- Finalist in ML Blitz Hackathon

Technologies

Languages: Java, Python, HTML, CSS, PostgreSQL

Machine Learning: FLask, Django, TensorFlow, PyTorch, Streamlit

Software: VS Code, Google Colab, Eclipse, Render,AWS

Core: AI, ML, DSA, OOPS