G Praveen Kumar Reddy

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Career Objective

- Aspiring Machine Learning Engineer with a strong computer science background and experience in predictive models and recommendation systems. Proficient in Python and Java, I aim to create scalable, data-driven solutions that improve user experiences. Seeking opportunities in innovative organizations to leverage my skills in machine learning and data analysis

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

- Implemented machine learning algorithms to analyze and interpret complex data sets, contributing to the development of predictive models and recommendation systems.
- Collaborated with data scientists and engineers to preprocess data, perform feature engineering, and optimize models for improved accuracy and performance.

Python Developer, CodSoft, Bengaluru — Mar 2024 – Apr 2024

- Developed a To-Do List Application using Python and Tkinter, implementing features such as task addition, deletion, and completion tracking.
- Created a Random Password Generator that generates secure and customizable passwords using Python, incorporating user-defined length and character preferences.

Projects

Anime Recommended System — Link

- Designed and implemented a recommendation system using Python to analyze user ratings and preferences for over 15,000 anime titles. The system employed data processing, normalization, and similarity measures to deliver personalized anime recommendations.
- **Language and Tools:** Python, Recommendation Algorithms, Google Colab

Health Care - Chat Bot — Link

- This healthcare chatbot uses machine learning to predict health conditions based on user symptoms and symptom duration. Utilizing a decision tree model and severity dictionaries, it identifies potential diagnoses, provides precautionary advice, and can vocalize responses. The bot is integrated with a Gradio interface for easy user interaction.
- **Language and Tools:** Python, Gradio, Scikit-Learn, Jupyter Notebook

Portfolio Website — Website

- Designed and developed a personal portfolio website to showcase my projects, skills, and experience. Built using Flask for the backend and HTML, CSS, and JavaScript for the frontend, the website includes dynamic project pages, interactive UI elements, and seamless navigation.
- Integrated GitHub and LinkedIn for easy access to my work. Deployed the project using Render for live hosting.
- **Languages:** HTML, CSS, JavaScript, VS Code, Flask, Render, Github

Text-to-Image-Generator Website

- Developed an AI-powered Text-to-Image Generation System integrating OpenAI's DALL·E and Stable Diffusion, enabling users to generate high-quality images from textual prompts via a Flask API and Gradio UI.
- Implemented a Web-Based Image Generation Interface using Flask and Gradio, supporting model selection between DALL·E and Stable Diffusion, and deployed on GPU-accelerated environments for optimized performance.
- **Languages:** Python, PyTorch, Hugging Face Diffusers, OpenAI DALL·E, Stable Diffusion,OpenAI API, Pillow, Matplotlib

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.

Technologies

Languages: Java, Python, SQL, HTML, CSS

Machine Learning: TensorFlow, PyTorch, Hugging Face Transformers, Flask, Seaborn

Software: Microsoft tools, VS Code, Google colab, Eclipse, Render

Core Competencies: AI, ML, DSA, OOPS