Prasanthkumar Bhumula

Portfolio: prasanthbhumula.me
Github: github.com/Prasanth1221
Linkedein: www.linkedin.com/in/prasanthkumar-bhumula-71bb5125a/

Email: Prasanthb301@gmail.com
Mobile: +91 9848951203

EDUCATION

- **Gayatri Vidya Paridhad College of Enfineering** — Andhra Pradesh, India
  Bachelor of Technology - Artificial Intelligence and Machine learning; GPA: 8.51 — *July 2023 - June 2026*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Deep Learning, Databases*

SKILLS SUMMARY

- **Languages**: Python, C, C++, JavaScript, SQL
- **Frameworks**: Scikit, NLTK, SpaCy, TensorFlow, Keras, Django, Flask, NodeJS
- **Tools**: Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite
- **Platforms**: Linux, Web, Windows, Arduino, Raspberry, AWS
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

- **Brainmage AI** — Remote
  Part time Intern — *Nov 2024 - Present*
  - **Synthetic Data Generation** : Responsible for creating synthetic datasets to train large language models (LLMs).
  - **Data Pipelines Development** : Designed and maintained efficient data pipelines for processing large-scale datasets.
  - **Web Scraping** : Acquired multilingual real-world data through web scraping to enhance dataset diversity.
- **Infosys Springboard** — Remote
  Intern — *Oct 2024 - Jan 2025*
  - **Credit Card Fraud Detection System** : Built a fraud detection system using Kaggle data and machine learning algorithms like Local Outlier Factor and Support Vector Machine (SVM).
  - **Data Preprocessing** : Processed and cleaned transaction datasets to improve model accuracy.
  - **Machine Learning Implementation** : Developed and optimized machine learning models to identify fraudulent transactions effectively.

PROJECTS

- **Face Emotion Detection System (Python)**: Developed a real-time emotion detection system using Python libraries such as OpenCV and TensorFlow. Designed algorithms to classify and recognize facial expressions based on real-time video feeds.
- **Brain Tumor Detection System (Machine Learning in Python)**: Built a brain tumor detection system using MRI images and machine learning algorithms (SVM, CNN). Focused on data preprocessing, feature extraction, and classification techniques to identify brain tumors accurately.
- **Laptop Service Management System (HTML, CSS, JavaScript, PHP)**: Designed and implemented a dynamic web application for managing laptop service requests. Developed a user-friendly interface for clients to submit service requests and created an admin dashboard to manage service requests, track progress, and optimize service delivery.
- **Credit Card Fraud Detection System (Machine Learning in Python)**: Built a system to detect fraudulent transactions using datasets sourced from Kaggle. Implemented models such as Local Outlier Factor and Support Vector Machine (SVM) to analyze transaction data. Focused on data preprocessing and optimizing the system for high accuracy.

HONORS AND AWARDS

- Certified in Principles of Generative AI by Infosys Springboard - August, 2024
- Awarded State and South Zone Table Tennis Champion in Team Events - 2023
- Successfully completed Infosys Springboard Internship on Credit Card Fraud Detection System - 2024
- Selected for Brainmage AI Internship on Synthetic Data Generation and Data Pipelines - 2024
- Participated in Walmart Sparkathon and The Great AppSec 2024 Challenge

VOLUNTEER EXPERIENCE

- **Joint Secratury of AI Club** — Andhra pradesh, India
  Conducted Python Boot camp and Dsa Offline sessions impacting over 300 students. — *Oct 2024 - Present*
- **Rotract Club Memeber** — Andhra Pradesh, India
  Participated in events, educational talk on different types of cancer at a local club event. — *Sep 2023 - Present*

HOBBIES

- Listening Music
- Playing Table Tennis