MUKESH MADIPELLY

Portfolio ↗ | GitHub ◯ | LinkedIn 𝐢𝐧 | ✆ (91)-8985122372 | ✉ mukeshmadipelly03@gmail.com

OBJECTIVE

To secure a challenging position in a reputable organization to expand my knowledge and skills to build a career that explores my abilities to the best by learning and adapting to the cutting-edge technologies in the current market.

EDUCATION

Nalla Malla Reddy Engineering College   July 2025
B.Tech Computer Science in AIML   *Current GPA: 8.5/10.0*

Government Polytechnic Masab Tank   June 2022
Diploma in ECE   *GPA: 9.73/10.0*

SKILLS

Programming & Databases: Python, Java, MySQL
Web Development: HTML, CSS, JavaScript
Tools & Platforms: GitHub, MS Excel, PowerPoint, Claude, Gemini, VS Code, LM Studio, LLM , GenAI
Concepts: SDLC, Artificial Intelligence, Prompt Engineering, Basic ML Algorithms, Object Oriented Programming, API, Data Structures & Algorithms, Problem Solving

PROJECTS

Voice-Based Virtual Assistant Using NLP and APIs ↗   Jan 2025 - Apr 2025
- Built a multilingual voice assistant with robust architecture focusing on modular design, security, and code maintainability; integrated with real-time APIs for seamless performance.
- Tech Stack: Python, Groq API, Hugging Face API, Google Search API

Human Stress Detection and Prediction System Using ANN ↗   Oct 2024 - Dec 2024
- Built and deployed an ANN model for stress classification using 1000+ real-world entries, enhancing model reliability and supporting actionable health insights.
- Tech Stack: ANN, Python, MySQL, Pandas, NumPy

Face Recognition Attendance Management System ↗   Feb 2024 - Apr 2024
- Built a facial recognition system using Haar Cascade and LBPH algorithms, ensuring ethical data handling across a **dataset of 5000+ images and achieving 80% detection accuracy**.
- Tech Stack: Python, OpenCV, NumPy

WORK EXPERIENCE/INTERNSHIPS

Infosys SpringBoard | *AI Intern*   Oct 2024 – Dec 2024
- Designed and implemented an Artificial Neural Network (ANN) model that **classifies stress levels with 90% accuracy**, using sleep and psychological datasets, improving the system's reliability and performance.
- Assisted in the development of optimized neural network architectures for stress detection, **reducing training time by 25% while maintaining 90% to 95% model precision** in test datasets
- Developed a Django-based web application using HTML, CSS, and MySQL, enabling secure storage and retrieval of user records with data integrity and ensuring seamless user interaction.
- Collaborated effectively in an Agile team across remote settings, using GitHub and participating in sprint planning and retrospectives.

MetaCrafts Lab | *Web Developer Intern*   Jun 2024 – Jul 2024
- Contributed to a Svelte-based GIF Toolkit, implementing features like loop adjustment, boomerang creation, and sprite sheet conversion, improving user engagement.
- Assisted in debugging and resolving multiple issues within the GIF Toolkit, enhancing its functionality and significantly reducing runtime errors.
- Participated in collaborative coding sessions, promoting best practices in product development.

ACHIEVEMENTS

Secured **LIC HFL VIDHYADHAN** scholarship.

CERTIFICATIONS

Prompt Design in Vertex AI | Python for Machine Learning | Data Analytics Essentials | Introduction to Artificial Intelligence