Mukesh Madipelly

B.Tech (2022-2025)
Computer Science (AIML)
Nalla Malla Reddy Engineering College

+91-8985122372
mukeshmadipelly03@gmail.com
linkedin.com/in/mukesh-madipelly

PROFILE SUMMARY

Enthusiastic Computer Science (AI & ML) student with academic exposure to programming, databases, and project development. Eager to learn industry practices and contribute to software solutions in a collaborative, fast-paced environment.

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. CSE (AIML)	Nalla Malla Reddy Engineering College	8.5	2022-25
Diploma	Government Polytechnic, Masab Tank	9.7	2019-22
Secondary	Vasavi High School	10.0	2019

EXPERIENCE/INTERNSHIP

AI Intern, Infosys SpringBoard *Oct 2024 – Dec 2024*

- Designed and implemented an Artificial Neural Network (ANN) model to **classify 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.
- Performed data cleaning, preprocessing, and exploratory analysis to prepare datasets for ANN modeling.

Web Developer Intern, Meta Craftlab *Jun 2024 - Jul 2024*

- Contributed to a Svelte-based GIF Toolkit, implementing features like loop adjustment, boomerang creation, and sprite sheet conversion, improving overall user engagement.
- Assisted in debugging and resolving multiple issues within the GIF Toolkit, enhancing its functionality and reducing runtime errors.
- Participated in collaborative coding sessions, promoting best practices in product development.

PROJECTS

- **Smart Voice-Based Virtual Assistant** *Jan 2025 – Apr 2025*
  AI Assistant using NLP & APIs GitHub
  - Built a multilingual voice assistant capable of app control, media playback, content generation, and real-time search using speech recognition and AI integration.
  - Integrated GenAI features like **text summarization and LLM-based response generation** using Claude and Gemini APIs.
  - Tech Stack: Python, Groq API, Hugging Face API, Google Search API

- **Human Stress Detection and Prediction System Using ANN** *Oct 2024 - Dec 2024*
  Artificial Neural Network & Web Development GitHub
  - Built an ANN-based model to **classify stress levels with 90% accuracy** by analyzing sleep and psychological patterns from over 1000 entries.
  - Tech Stack: ANN, Python, MySQL, Pandas, NumPy

- **Face Recognition Attendance Management System** *Feb 2024 – Apr 2024*
  Machine Learning Algorithms GitHub
  - Developed 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

SKILLS

- **Programming & Databases**: Python, Java (Basic), SQL (MySQL)
- **Development**: HTML, CSS, JavaScript (Basic)
- **Tools & Platforms**: GitHub, MS Excel, PowerPoint, Claude, Gemini, VS Code, AWS
- **Concepts**: Artificial Intelligence, Prompt Engineering, Basic ML Algorithms, OOP, Data Structures & Algorithms, Data Analytics, API
- **Soft Skills**: Team Collaboration, Written & Verbal Communication, Problem-Solving, Adaptability, Multi-tasking

ACHIEVEMENTS

- **LIC HFL VIDYADHAN Scholarship**, awarded for academic excellence *2019 - 2022*