PRAGNAVI MYAKALA

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Motivated and enthusiastic student with strong teamwork and independent work capabilities. Demonstrates a solid work ethic and exceptional organizational skills. Proficient in information technology and social media platforms, eager to contribute and grow in the field of Artificial Intelligence and Machine Learning..

EDUCATION

Bachelor of Technology (B.Tech), Artificial Intelligence Machine Learning (2022 – Present)
Sphoorthy Engineering College, Hyderabad, Telangana
CGPA-7.4 (3-1)

Intermediate (MPC) (2020 – 2022)
Narayana Junior College, Hyderabad, Telangana
Percentage: 85.3%

High School (2009 – 2020)
Dilsukhnagar Public School, Hyderabad, Telangana
GPA: 10.0

TECHNICAL SKILLS

Languages & Frameworks: Python, HTML, CSS, JavaScript, React.js, Java
Databases: MySQL, Oracle
Tools & Platforms: GitHub, Visual Studio Code, Android Studio, IoT Platforms
AI/ML: Data Preprocessing, Model Building, Large Language Models, AI Fundamentals (IBM)

PROJECTS

AI & Machine Learning Projects

- **Parkinson's Disease Detection using ML**
  Built a classification model using SVM and logistic regression to detect Parkinson's disease from voice data with 90%+ accuracy.
  Skills: Python, Scikit-learn, Pandas, Classification Models
- **AI-Based Waste Classification System**
  Developed a CNN model to classify waste into biodegradable and non-biodegradable categories for smart waste management.
  Skills: TensorFlow, Keras, Image Classification
- **Offline LLM (Real time based project)**
  Deployed large language models locally to perform real-time tasks like summarization and question answering, ensuring data privacy in offline environments.
  Skills: Transformers, Hugging Face, NLP
- **Plagiarism Detection using NLP**
  Implemented a semantic plagiarism detection system using NLP techniques such as text preprocessing, vectorization, and similarity metrics to detect copied content with high accuracy.
  Skills: Python, spaCy, Cosine Similarity, Flask, Text Analysis

- **Micro-Doppler Target Classification**
  Applied machine learning and signal processing techniques to classify radar targets using micro-Doppler signatures.
  Skills: Python, MATLAB, Signal Processing

Web Development Projects
- **AI-Driven Virtual Interior Designer (Industrial-Oriented Mini Project)**
  Developed a web-based virtual interior designer tool that recommends room styles using AI, based on user preferences and room type.
  Skills: Python, Streamlit, OpenAI, Frontend UI, Prompt Engineering
- **Vindubhojanam – Food Ordering Web App**
  Created a themed food ordering web application with a responsive UI and dynamic menu browsing experience.
  Skills: HTML, CSS, JavaScript, React.js
- **Personal Portfolio Website**
  Designed and deployed a personal website to showcase projects and skills, optimized for all devices.
  Skills: HTML, CSS, JavaScript, GitHub Pages

Mini Web Projects
- Tic Tac Toe: Built a two-player game using JavaScript.
- Weather App: Displayed real-time data using the OpenWeatherMap API.
- Stopwatch: Developed a fully functional digital timer.
  Skills: JavaScript, APIs, DOM Manipulation
- **Transformable Exo-Skeletal Wheelchair**
  Designed an Arduino-powered wheelchair that switches between manual and motorized modes, improving accessibility and mobility.
  Skills: Arduino, Embedded Systems, IoT

INTERNSHIP EXPERIENCE

AICTE Virtual Internship Program – Remote / Hyderabad
Jan 2024 – Dec 2024

Network Security Intern (Cohort 7)

- Acquired foundational knowledge in network infrastructure, secure web gateways, and Zero Trust security architecture.
- Explored cloud-based cybersecurity practices and secure access protocols through Zscaler's training modules.

Process Mining Intern (Cohort 8)

- Gained practical exposure to business process analysis using Celonis EMS tools.
- Conducted data-driven evaluations of workflows to identify inefficiencies and recommend improvements in operational processes.

Android Development Intern (Cohort 9)

- Designed and built functional Android applications using Java and XML in Android Studio.
- Learned mobile app development fundamentals, including UI design and activity lifecycle management.

Data Engineering Intern (Cohort 10)

- Focused on ETL (Extract, Transform, Load) processes, data pipeline creation, and relational database querying with SQL.
- Built scalable data processing workflows simulating enterprise-level systems and analytics solutions.

AI/ML & Web Development Intern – Prodigy Infotech, Hyderabad
Nov 2024 – Dec 2024

- Collaborated on the development of machine learning models and their deployment into web applications.
- Contributed to full-stack projects integrating Python-based ML algorithms with user-friendly front-end interfaces.

CERTIFICATES

- **IBM AI Engineering Professional Certificate** – Gained practical skills in machine learning, deep learning, and AI model deployment using TensorFlow and PyTorch.
- **Google Data Analytics Professional Certificate** – Trained in data cleaning, analysis, and visualization using SQL, R, and Tableau.
- **AWS Certified Solutions Architect – Associate** – Validated expertise in designing scalable, cost-efficient cloud architectures on AWS.
- **Python for Everybody (Coursera)** – Learned Python programming, data structures, web access, and database handling.
- **Advanced SQL for Data Scientists (LinkedIn Learning)** – Mastered complex queries, window functions, and SQL optimization for large datasets.
- **Complete Web Developer Bootcamp (Udemy)** – Built full-stack applications using HTML, CSS, JavaScript, Node.js, and React.
- **Introduction to Cybersecurity (edX)** – Covered core cybersecurity concepts including threat modeling and risk management.

EXTRA-CURRICULAR ACTIVITIES

- Won 1st place in a 36-hour hackathon, demonstrating strong problem-solving skills.
- Volunteered with MyStory Trust - Sahaaya, conducting skill development programs for women and self-defense training for children.
- Organized successful college events as an office bearer and received a cash prize from a government organization.
- Led multiple extracurricular clubs, showcasing dynamic leadership.
- Participated in AI workshops, deepening knowledge of emerging technologies.

LANGUAGES

- English (Fluent)
- Telugu (Native)
- Hindi (Fluent)