Dharan Teja Vipparla

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SKILLS:

- **Platforms and Frameworks:** Microsoft Azure ML, Azure Data Bricks, Azure Synapse Analytics, Langchain, TensorFlow, PyTorch, PowerBI
- **Programming**: Python programming and libraries, C, SQL, Embedded C, MATLAB, HTML5, CSS
- **Technical Skills:** Machine Learning, Natural Language Processing, Deep Learning, Reinforcement Learning, Data Science, Data Analysis, Quantum Computing, Data Structures and Algorithms, Embedded Systems, Internet of Things, Statistics.

INTERNSHIPS & TRAININGS:

- **Quantum Computing and AI** (1 May'22 –1 Sept'23)
  QpiAI
  Learnt Quantum Computing and AI Algorithms in depth, and also developed my skills in AI programming using Data Science libraries during this 1-year program.
  Worked on the capstone project titled "**Coronavirus Prediction for next 50 days**" where I've performed web scraping of the articles related to the outbreak and analyzed it across different regions in the world, visualized them using histograms, and predicted the number of upcoming cases for the next 50 days using Linear Regression & Support Vector Machines models.

- **Embedded Systems and IoT** (14 Jun'20 – 08 Sep'20)
  Pragyatmika: The power of Intelligence

  Built "IoT Room Automation Project" using
  - **Hardware Modules** - PIC16F887 & NodeMCU Microcontrollers, Bluetooth, USART, I2C, LCD, Seven Segment Display, ADCs, IR & PIR Sensor Modules
  - **Software Platforms** - MPLAB X IDE, Proteus, Adafruit, ThingSpeak, IFTTT

CERTIFICATIONS & ACHIEVEMENTS:

- IoT Room Automation Project Certification
- Embedded Systems and IoT Training and Security Certifications
- QpiAI-IISc Joint Artificial Intelligence and Quantum Computing Excellence Certification
- **NASSCOM Data Science and Analytics Result (Percentile):**
  - Introduction to Data Science: 83%
  - Mathematical Foundation: 76%
  - Overall Percentile: 89%
  - Machine Learning: 89%
  - Programming tools for Data Science: 79%
- **NASSCOM Future Skill Technology – IoT Result (Percentage):**
  - Mid-term: 89%
  - End-term:84%

PROJECTS:
Gdrive link: https://drive.google.com/drive/folders/1dgvow2cdnF-DwC_zlflwmvAAyKET2kO-

- **IoT Room Automation Project**
  This project aims to achieve the design and model implementation of the home automation system using Microcontrollers, Sensor readings, and applying the IoT and Bluetooth technologies.

- **Geolocational Data Analysis using K Means Clustering (Bachelors Major Project)**
  This project involves the use of Unsupervised ML Algorithm to find the best accommodation for students in Hyderabad by classifying accommodation for incoming students on the basis of their preferences on amenities, budget and proximity to the location.

- **Mini Projects on Data Science and NLP Algorithms**
  - AI Chatbot using LangChain and OpenAI for Question Answering on documents
  - Sentimental Analysis on 150 Articles using Web Scraping and Natural Language Processing

EDUCATION:

Examination	University	Institute	Year	CPI
X	State Board	Mudra High School	2015	9.30/10.00
XII	State Board	Narayana Junior College	2017	91.2%
B. tech (ECE)	Deemed University	Indian Institute of Information Technology Guwahati	2018-2022	6.80/10.00