PAWAN KUMAR NIMMAKAYALA

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EDUCATION:

Anil Neerukonda Institute of Technology and Sciences — Visakhapatanam, Andhra Pradesh
Artificial Intelligence and Machine Learning ; **GPA**: 9.54 present — **September 2023 - April 2027**

Narayana Junior College — Eluru, Andhra Pradesh
MPC ; **GPA**: 88.9% — **June 2021-April 2023**

Narayana School — Eluru, Andhra Pradesh
96% — **June 2020-March 2021**

SKILLS SUMMARY:

- **Languages:** C, Python, Java, MySQL(basics), Data Structures(basics), Html, CSS, Java script, Automation
- **Frameworks:** Pandas, Numpy, Scikit-learn, Matplotlib worked on basic models
- **Tools:** Excel, PowerPoint, MySQL(basics) Developed essential databases and integrated them with other programming languages using connectors.
- **Platforms:** Visual Studio Code, Jupyter Notebook, Google Colab

INTERNSHIP EXPERIENCES:

AI & ML Intern | Embrizon Technologies (AICTE Approved) in Collaboration with Walmart

- Completed a 3-month internship focused on AI & ML using Python.

Full Stack Development Intern | Collaboration with Wipro (Ongoing, 3 Months)

- **Completed a 1-month internship in full-stack development.**

Java Development Intern | Octanet Technologies

- **Completed a 1-month internship in Java development.**

RELEVANT PROJECTS:

AI-Powered Financial Sentiment Analysis for Market Prediction LINK

- Developed a model to analyze financial news, social media posts, and earnings calls to gauge sentiment around stocks and the overall market.
- Utilized Natural Language Processing (NLP) techniques to classify text data into positive, negative, or neutral sentiments.
- Correlated sentiment scores with stock price movements to generate market insights and predictions.
- Integrated time-series analysis to enhance accuracy in predicting future price trends using Python.

Smart Healthcare Assistant for Disease Prediction and Management LINK

- Designed a healthcare assistant leveraging patient data and medical history for disease risk prediction and preventive recommendations.
- Implemented deep learning and predictive analytics to analyze health metrics (blood pressure, heart rate, glucose levels) alongside demographic data.
- Integrated Explainable AI (XAI) for transparent decision-making, improving trust among healthcare providers and patients.
- Developed the system using Python to enhance medical diagnostics and patient care.

Drug Case Analyzer in Machine Learning using Streamlit LINK

- Developed a machine learning model to analyze drug case trends and predict future cases.
- Built an interactive web app using Streamlit to visualize and interpret results.
- Currently working on improving model accuracy for better predictive performance.

Personal Portfolio Website LINK

- Designed and developed a personal portfolio to showcase projects, internships, and achievements.
- Implemented an interactive and responsive UI for an enhanced user experience.
- Integrated sections for project highlights, resume download, and contact information.
- Built using modern web technologies to ensure a professional online presence.

CERTIFICATES:

- NPTEL: Programming in Java
- AI & ML Internship Certificate | Embrizon Technologies (AICTE Approved) in Collaboration with Walmart
- Full Stack Development Internship Certificate | Wipro
- Java Development Internship Certificate | Octanet Technologies