PUPPALA MOHANA KRISHNA

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OBJECTIVE

Enthusiastic and results-driven professional with a strong passion for Data Science, Machine Learning, Web Development, and Software Development. Committed to leveraging advanced analytical techniques, innovative problem-solving, and full-stack development skills to deliver impactful solutions and drive organizational growth.

SKILLS AND INTERESTS

Languages : Python, R, Html, Css, Js ,Sql
Libraries & Packages : Pandas, Numpy, Matplotlib , Scikit-Learn ,Tensorflow
Tools & Platforms : Jupyter Notebook, Ms Office, Linux
Soft Skills: Critical Thinking, Data-Driven Decision Making, Team Work, Problem Solving and Adaptability

EDUCATION

B Tech (AI DS)	**2022 - 2026**	SRKR Engineering College, Bhimavaram	**9.38** CGPA
Intermediate	**2020 - 2022**	Bhashyam Junior College,Guntur	98.2%
SSC	**2019 - 2020**	Narayana English Medium School,Guntur	96.2**%**

EXPERIENCE

Chat GPT Prompt Engineering & Generative AI Internship at Blackbucks   **2025**
- ➢ Worked on ChatGPT and Generative AI technologies, applying prompt engineering, NLP, and prompt chaining to build AI-powered mini projects. Integrated OpenAI APIs with Python applications, exploring ethical AI use, automation tasks, and multi-turn conversational systems.

AI ML INTERN AT NIELIT   **2024**
- ➢ Hands-on experience in developing and evaluating ML/DL models using Python, implementing algorithms like KNN, Decision Tree, SVM, K-Means, and PCA. Built ANN, CNN, and predictive models (e.g., Heart Attack Prediction) with Scikit-learn, Keras, and data visualization tools.

CERTIFICATIONS

- ➢ Google AIML Internship - EDUSKILLS
- ➢ Machine Learning with Python - IBM
- ➢ Data Analytics - DELOITTE
- ➢ Data Analytics Essentials - CISCO
- ➢ Introduction to Data Science - CISCO
- ➢ Frontend Web Development - Edyoda
- ➢ Data Visualization,Gen AI Powered Data Analytics - TATA
- ➢ Data Visualization and Analysis with Python - IBM
- ➢ Foundation of Cloud IoT Edge ML - NPTEL
- ➢ DSA Using Python - NPTEL
- ➢ Python Programming Essentials 1 and 2- CISCO

PROJECTS

Agri-Connect: AI-Powered Farming Support System

- ➢ Built machine learning models for **crop recommendation**, **fertilizer prediction**, and **crop disease detection** using TensorFlow/PyTorch and CNNs.
- ➢ Integrated weather, and soil data from APIs to deliver personalized, sustainable farming recommendations.
- ➢ Deployed the system with Python ,Flask.

Generative AI-Based Interview Preparation Chatbot

- ➢ Built a full-stack **interview assistant chatbot** using Python, Gemini API, and NLP (NLTK, Scikit-learn) to parse PDF/DOCX files, extract keywords, and generate targeted interview questions.
- ➢ Implemented answer evaluation using the **STAR method** and keyword relevance for personalized candidate assessment.

IMDb Movie Review Sentiment Analysis with NLP & Machine Learning

- ➢ Built an end-to-end NLP pipeline using **TF-IDF vectorization** and **Multinomial Naïve Bayes** to classify 50,000 IMDb reviews as positive or negative with high accuracy.
- ➢ Optimized and serialized the trained model using **pickle** for seamless integration into real-world applications.

ACHIEVEMENTS

- ➢ Won 3rd Prize at HackOverflow – National Level Hackathon for developing the AgriConnect project, an AI-based farming support system.
- ➢ Won the Academic Excellence Award for being Department Second in First year.
- ➢ Top 2% scorer in NPTEL's **DSA using Python** and **Foundations of Cloud, IoT , and Edge ML** courses.