

Ponnuru Nithin

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SKILLS

Languages: Python, DBMS, C, C++, Java

Frameworks: HTML, CSS, Flask

Tools/Platforms: MS Excel, Power BI, VMware, Ubuntu, Kali Linux, GitHub, Generative AI

Soft Skills: Problem-Solving, Team Player, Adaptability, Collaboration

PROJECTS

ElecInsight – TG-NPDCL Commercial Electricity Consumption & Billing Analysis | [GitHub](#)

Dec'25

- Developed an interactive Power BI dashboard using official government open data to analyze commercial electricity consumption, billing efficiency, connected load distribution, and regional demand patterns across Telangana.
- Applied data cleaning, transformation, and advanced DAX measures to create KPI cards, hierarchical analysis (Circle → Division → Section → Area), and geographical visualizations using maps, bar charts, treemaps, and scatter plots.
- Identified high-demand regions, billing gaps, and consumption density variations, enabling data-driven insights and improved reporting efficiency.

WeatherPredict – Predictive Analytics on Telangana Weather Data | [GitHub](#)

Nov'25

- Created a predictive analytics pipeline using real-world meteorological data from the Telangana Open Data Portal to analyze rainfall patterns and weather trends.
- Implemented supervised learning models (Multiple Linear Regression, Polynomial Regression, KNN) to predict and classify rainfall categories with evaluation using R², MAE, MSE, RMSE, Accuracy, ROC-AUC, and Confusion Matrix, while leveraging K-Means and Hierarchical Clustering (Single, Complete, Average, Centroid, Ward) to identify hidden weather pattern clusters.
- Utilized Python, Pandas, NumPy, Scikit-learn, Matplotlib, and Seaborn for data preprocessing, exploratory data analysis (EDA), model training, and visualization.

HobbyRec - Hobby Recommender Chatbot | [GitHub](#)

Mar'25

- Engineered an intelligent hobby recommender chatbot to provide personalized hobby suggestions by analyzing user interests, preferences, and conversational inputs, enhancing user engagement and decision-making.
- Designed using HTML for structure, CSS for responsive UI design, and JavaScript for dynamic functionality, integrated with the Gemini API for natural language processing, real-time responses, and intelligent recommendation logic.
- Improved user interaction experience by delivering accurate, context-aware hobby recommendations, resulting in higher usability, personalized engagement, and efficient response handling through AI-driven chatbot technology.

TRAINING

AI & ML for Real-world Problem Solving | [LPU](#)

Jun'25 – Jul'25

- To understand how Artificial Intelligence and Machine Learning can be applied to real-world situations, such as healthcare, finance, e-commerce, and environmental issues.
- To build AI-driven solutions that can make predictions, automate tasks, or provide insights to support better decision-making.
- Ability to design and implement ML models that address real-world challenges like classification, prediction, pattern detection, or automation.

CERTIFICATES

Tata - Data Visualisation: Empowering Business with Effective Insights | [Forage](#)

Sep'25

Tata - GenAI Powered Data Analytics Job Simulation | [Forage](#)

Sep'25

Deloitte - Data Analytics Job Simulation | [Forage](#)

Sep'25

Java | [Neocolab](#)

May'25

DSA | [Neocolab](#)

Dec'24

EDUCATION

Lovely Professional University

Phagwara, Punjab

Bachelor of Technology; Computer Science and Engineering; CGPA: 7.45

Aug'23 – Present

Narayana Junior College

Hyderabad, Telangana

Intermediate; Percentage: 97.5

Mar'21 – May'23

Telangana State Model School

Nekkonda, Telangana

Matriculation; Percentage: 100

Mar'20 – May'21