

GOWTHAMI NANAPOLLU

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Git Hub: github.com/GowthamiNanapollu Portfolio: gowthaminanapollu.github.io/gowthami_portfolio/

SUMMARY

Aspiring Data Scientist with hands-on experience in machine learning, data analysis, and statistical modeling. Proficient in Python, data visualization, and building predictive models using real-world datasets. Eager to contribute to AI and analytics-driven solutions in a collaborative and innovative environment.

EDUCATION

B - TECH in Computer Science
Siddhartha Institute of Science and Technology
CGPA: 9.4 Location: Puttur, AP 2022 – 2026

PROJECTS

Customer Purchase Behavior Prediction May 2025

- Trained a deep neural network using TensorFlow on 14,085 audiobook customer records, with data preprocessing and feature engineering conducted in Jupyter Notebook.
- Achieved 81% accuracy in predicting repeat purchases, enabling targeted advertising strategies through identification of high-potential customers.
- Git hub rep: github.com/GowthamiNanapollu/Data-Science-Projects/tree/main/Audio

HR Analytics – Employee Attrition Prediction April 2025

- Implemented and assessed a logistic regression model using HR data (20+ features) to predict employee attrition risk.
- Achieved 87% model accuracy, facilitating actionable insights for reducing employee turnover.
- Designed and delivered visual analytics reports using Seaborn and Matplotlib to showcase key attrition drivers.
- Git Hub Repo: github.com/GowthamiNanapollu/Data-Science-Projects/tree/main/HR_analytics

House Price Prediction – Bangalore Real Estate Feb 2025

- Trained and evaluated a linear regression model using 1,300+ Bangalore housing records to forecast property prices.
- Achieved 65% prediction accuracy, supporting informed decision-making for first-time home buyers.
- GitHub: github.com/GowthamiNanapollu/House-Price-prediction

Python Programs Collection

- Authored and tested 25+ Python programs covering loops, functions, regex, OOP, debugging, and modular design.
- Strengthened core logic and debugging skills through scenario-based problem solving.
- GitHub: github.com/GowthamiNanapollu/python-programs

Personal Portfolio Website Dec 2024

- Applied prompt engineering techniques to develop a personal portfolio that showcases skills, certifications, and project work in a structured and professional format..
- Live Site: gowthaminanapollu.github.io/gowthami-portfolio

SKILLS

- Python Programming
- Scikit-learn
- NumPy
- TensorFlow (Beginner)
- Data Analysis
- Data Visualization
- Machine Learning
- Pandas
- Unsupervised Learning
- Seaborn
- Regex
- Regression
- Classification
- Prompt Engineering

- Effective Communication
- Problem Solving
- Creativity
- Teamwork
- Time Management

CERTIFICATIONS

The Data Science Course

365 Careers May 2, 2025

- Completed Data Science program with practical skills in Python, statistics, machine learning, and data visualization.
- Credential: udemy-certificate.s3.amazonaws.com/image/UC-45a9ccbb-70eb-41e6-894e-b603bb564131.jpg

CS50's Introduction to Programming with Python

HarvardX September 25, 2024

- Completed foundational Python programming course covering loops, functions, object-oriented programming, file handling, and debugging.
- Credential: cs50.harvard.edu/certificates/2e8007f6-308b-4b73-9942-a652e19789ff

AI-first Software Engineering

Infosys Springboard June 24, 2024

- Completed certification focused on prompt engineering techniques and AI-driven software development approaches.
- Credential: drive.google.com/file/d/1q9F73WVMABomzBUArJqJMSLQV5EgGsTH/view?usp=sharing

ACHIEVEMENTS

Code Blasters

Intra-College Coding Contest

- 📅 2025
- 📍 SISTK
- Secured 3rd position among 100+ participants in a competitive coding challenge focused on algorithmic problem solving.