

Chamarthi Deepak Varma

+91-8247080090 | Deepakvarma777dt@gmail.com | linkedin.com/in/cdeepakvarma

PROFESSIONAL SUMMARY

Results-driven IT professional with hands-on experience in software development, database management, machine learning. Seeking a challenging role in a progressive organization to leverage technical expertise and contribute to organizational growth.

EDUCATION

Madanapalle Institute of Technology and Science
B.Tech – Electronics and Communication Engineering

2020 – 2024
CGPA: 8.53 / 10

WORK EXPERIENCE

Data Analyst Consultant Intern

July 2024 – Jan 2025

Rubix AI

- Performed data cleaning, transformation, and validation to ensure accuracy and integrity for downstream analysis.
- Conducted EDA to identify trends, correlations, and outliers, delivering actionable business insights to stakeholders.
- Designed interactive Power BI dashboards and reports to monitor KPIs and visualize performance metrics.

Machine Learning Intern

Oct 2023 – Dec 2023

Lab View Academy

- Pre-processed structured and unstructured data using Python (Pandas, NumPy) for ML model readiness.
- Applied supervised and unsupervised algorithms (Linear Regression, Decision Trees, K-Means) for user segmentation.
- Used Elbow Method and Silhouette Score to determine optimal clustering parameters for customer segmentation.

PROJECTS

Heart Disease Prediction

- Developed a machine learning classification model to predict heart disease using patient health parameters such as age, gender, cholesterol, and blood pressure.
- Performed data preprocessing, feature selection, and model training using Logistic Regression, Decision Trees, and Random Forest.
- Evaluated model performance using accuracy, precision, recall, and F1-score, achieving 95% accuracy with Random Forest.

Customer Segmentation Analysis

- Conducted customer segmentation using Power BI to group customers based on key demographic and behavioural data, such as purchase frequency, spend, and customer tenure to create dynamic dashboards and reports.
- Visualized segmentation results with interactive charts, such as pie charts, bar graphs, and heat maps, to enable easy exploration of customer profiles

Movie Recommendation System

- Built a movie recommendation system using collaborative and content-based filtering with Python and Scikit-learn.
- Processed large-scale user rating data and implemented cosine similarity for personalized recommendations.
- Improved recommendation accuracy through a hybrid ML approach and evaluated results using RMSE.

TECHNICAL SKILLS

Languages & Frameworks: Python, SQL, Flask

Data & BI Tools: Power BI, Excel (Pivot Tables, Power Query, VBA)

Libraries: Pandas, NumPy, Matplotlib

Databases: MySQL, PostgreSQL, SQL Server (Basic)

Cloud: Azure(ADF, ADLS), AWS(EC2)

Other: Git, VS Code, Jupyter Notebook, Windows, Linux

CERTIFICATIONS

Google Data Analytics Professional Certificate – Coursera

Microsoft Azure AI Fundamentals (AZ-900) – Microsoft

Certified Data Analyst – IABAC

Python for Data Analysis – Udemy

SQL Certification – HackerRank

EXTRACURRICULAR ACTIVITIES

Event Coordinator: Organized hackathons and gaming events (50–200 participants); coordinated college blood donation drive.