

Deepak Battula

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Website

<https://new-portfolio-virid-iota.vercel.app/>

Education

G Pullaiah College of Engineering and Technology

Bachelor of Technology – Computer Science Engineering - Artificial Intelligence (CAI) | September 2023 – May 2027

Grade: 6.9 CGPA

Narayana Junior College

MPC (Mathematics, Physics and Chemistry) | June 2021 - March 2023

Grade: 76%

Good Shepherd (EM) High School

School | June 2020 - April 2021

Grade: 596 marks.

Skills

Programming Language: Python, C Language, Java

Top Skills: Data Science, Data Analysis, Artificial Intelligence (AI), Machine Learning (ML)

Tools: Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn, Git and GitHub

Projects

Car Body Type Crash Analysis | (July 2025 -) | (in progress) | A data science project analyzes fatality data from the U.S. National Highway Traffic Safety Administration (NHTSA) to investigate the hypothesis that modern Crossover Utility Vehicles (CUVs) and hybrid body type cars are disproportionately involved in fatal accidents compared to traditional passenger cars like sedans and coupes.

GitHub Link: <https://github.com/deepakachyutha/bodytypecrashes>

IBM HR Analytics Employees Attrition & Performance | (July 2025) | A data science project that predicts employee attrition using real-world HR data. Tackles imbalanced datasets using SMOTE and Class Weights, explains predictions with SHAP and Permutation Importance, and evaluates performance with Precision-Recall curves. Built with business level relevance and accuracy.

GitHub Link: <https://github.com/deepakachyutha/IBMEmployees-ML>

Titanic Survival Prediction | (June 2025) | This Titanic Survival Prediction project applies Supervised Machine Learning to predict passenger survival from the Titanic dataset. It focuses on practical data preprocessing, binary classification, and foundational model evaluation.

GitHub Link: <https://github.com/deepakachyutha/Titanic-ML>

Languages

English, Telugu, Hindi

Extracurricular Activities

National Cadet Corps (NCC): B certificate Holder, Army Wing.
