Debanik Debnath

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Education

NIT Agartala
Bachelor of Technology - Electronics and Communication Engineering *(2026)*
CGPA: 7.47

Umakanta Academy (E.M) (2022)
Percentage(SSC): 92.4
Percentage(HSC): 82.0

Experience

ML Projects:[A] Predictive Systems
Utilized advanced algorithms, including Multiple Linear Regression and Polynomial Linear Regression.
[B] Classifier Models
Explored fundamental concepts of classification including feature engineering and model selection(Logistic Regression).

Certifications

SQL for Beginners: Learn SQL using MySQL and Database Design Course
Artificial Intelligence Projects with Python
Machine Learning Practical Workout — 8 Real-World Projects
Supervised Machine Learning Course
Python Course for Beginners: Mastering the Essentials
Data Structures and Algorithms using C++: Zero To Mastery
Learn C++ Programming from Zero to Mastery(MAANG)

Projects

Handwritten Digits Classification (Logistic Regression)
- Trained a personalized handwritten digit classifier, fine-tuned to accurately recognize my unique hand-drawn digits.

Height Prediction based on Weight (Polynomial Linear Regression)
- Demonstrated regression techniques to estimate height from weight inputs.

HR salary prediction (Polynomial Linear Regression)
- Initiated HR salary prediction project, applying ML for accurate employee compensation forecasting by data analysis.

Per Capita Income Prediction(Polynomial Linear Regression)
- Employed a model to forecast per capita income for future years using past data.

House Price Prediction(Multiple Linear Regression)
- Developed a data-driven model to estimate property values, employing regression and feature engineering techniques.

Skills

Languages: DSA (C++), Python , C++ , C , MATLAB, SQL

Developer Tools: Git, Google's Kaggle , VS Code, Visual Studio, PyCharm, Anaconda, MySQL

Libraries: Pandas, NumPy, Matplotlib,Seaborn,Scikit-Learn,TensorFlow