Debanik Debnath

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Education

NIT Agartala
Electronics and Communication Engineering — CGPA: 7.74 (2026)
Umakanta Academy (E.M) (2022)

HSC: 82.0 %

SSC : 92.4 %

Experience

Intern at TechnoHacks EduTech as C++ Programmer Jan - Feb 2024

- Created a basic C++ calculator application
- Developed a random password generator with user-defined length using C++
- Implemented a temperature converter application from fahrenheit - celcius and vise-versa

ML Projects: (Predictive Systems & Classifier Models)

- *Applied sophisticated algorithms like Multiple and Polynomial Linear Regression in developing predictive systems.*
- Explored fundamental concepts within classification, encompassing feature engineering and model selection, employing Logistic Regression as the central analytical framework.

Certifications

- SQL for Beginners: Learn SQL using MySQL and Database Design Course • Supervised Machine Learning Course • Data Visualisation With Python (IBM) • Python Course for Beginners: Mastering the Essentials • Data Structures and Algorithms using C++: Zero To Mastery • Learn C++ Programming from Zero to Mastery(MAANG)

———Click here to View all CERTIFICATIONS——

Projects

Handwritten Digits Classification (Logistic Regression)

- Trained a customized model using Logistic Regression to perform handwritten digit classification. The model is capable of accurate recognition and categorization of my individually hand-drawn digits.

Insurance purchase by age analysis (Logistic Regression)

- Utilized logistic regression modeling to predict whether a person buys an insurance or not based on his age, facilitating insightful outcomes regarding individual insurance purchasing behavior.

HR salary prediction (Polynomial Linear Regression)

- Launched an HR salary prediction project that harnessed the power of Polynomial Linear Regression for accurate employee compensation forecasting by data analysis.

Per Capita Income Prediction(Polynomial Linear Regression)

- Demonstrated Polynomial Linear Regression modeling techniques to develop a predictive model for projecting future per capita income based on historical data analysis.

House Price Prediction(Multiple Linear Regression)

- Engineered a robust data-driven model utilizing Multiple Linear Regression to predict property values. Incorporated advanced regression techniques along with feature engineering methodologies to enhance the accuracy and precision of property value estimations.

———Click here to View all my PROJECTS——

Skills

- Languages: 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

Honours & Achievements

- Attained multiple badges, credentials, and accolades from reputable industry leaders such as IBM and Microsoft.
- Achieved 3 stars and 50 DAYS BADGE 2023 on LeetCode.