

Debanik Debnath

West Tripura, India 799004 | +919863008215 | devanik2005@gmail.com | <https://www.linkedin.com/in/devanik>

EDUCATION

NIT Agartala

Electronics and Communication Engineering — CGPA: 7.74 (2026)

Umakanta Academy (E.M) (2022)

HSC: 82.0 %

SSC : 92.4 %

EXPERIENCE

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
- Artificial Intelligence Projects with Python
- Machine Learning Practical Workout — 8 Real World Projects
- 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)

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.

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

HONOURS & ACHIEVEMENTS

- Achieved 3 star on LeetCode.