RONIT BHOWMICK

DATA SCIENTIST

CONTACT

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linkedin

PROFILE SUMMARY

Motivated BCA student with a strong foundation in Data Analysis, Data Science, and Machine Learning, seeking an internship opportunity in Data Analysis or Data Science. Proficient in SQL, Excel, Power BI, Tableau, Python, and machine learning libraries such as scikit-learn and TensorFlow. Passionate about leveraging data to extract actionable insights and build predictive models. Adept at problem-solving, analytical thinking, and decision-making, with a proactive, learning-driven mindset to contribute effectively in a dynamic work environment.

EDUCATION

2023-2026

PANDU COLLEGE

- Bachelor in Computer Applications
- Current SGPA: 8.55

2021-2023

PANDU COLLEGE

- High School Diploma

SKILLS

- Python
- SQL
- Data Cleaning
- Data Visualization
- Machine Learning Algorithms
- PowerBI

LANGUAGES

- English: Fluent
- Hindi: Fluent
- Bengali: Fluent
- Assamese: Intermediate

PROJECTS

Crop Yield Prediction System

- Developed a machine learning model to **predict crop yields** based on various environmental and agricultural factors.
- Utilized regression models, achieving an **R^2 score of 99%**, indicating a high level of accuracy in predicting crop yields.
- **With a Mean Squared Error (MSE) of 0.086**, the model demonstrates precision and minimal error in its predictions.
- Conducted data preprocessing, feature selection, and model optimization to improve model performance.
- Technologies used: Python, scikit-learn, pandas, NumPy, Matplotlib.
- Deployed the **model as a web application** using Flask, allowing users to input relevant data and receive real-time yield predictions.
- Github link: https://github.com/Ronit-Bhowmick/Crop-Yield-Prediction.git

MLOps Project for Fish Disease Classification

- Developed an **end-to-end MLOps pipeline** to classify fish diseases with 90% accuracy using transfer learning.
- Used DVC and DAGsHub for efficient model and data versioning, ensuring reproducibility.
- Optimized model for mobile applications, enabling fast and accurate predictions on-device.
- Stored images on Google Drive and built a scalable pipeline for efficient predictions.
- Github link: https://github.com/Ronit-Bhowmick/Early-Fish-Disease-Detection.git

Social Media Analysis on College Students (Ongoing)

Developed a data-driven approach to analyze social media habits and engagement patterns among college students

- Collected data via Google Forms and stored it in **Microsoft SQL Server** for structured analysis.
- Utilized Power BI to create **interactive visualizations**, identifying key trends and user behavior patterns.
- Conducted **data analysis** using Python (Pandas, NumPy) to extract actionable insights for **campus engagement strategies**.
- **Continuously updating** the project with new data and refining analysis models.