

# Vidhya Bhusan Rath

LinkedIn: [linkedin.com/in/bhusanrath02/](https://www.linkedin.com/in/bhusanrath02/)  
GitHub: [github.com/bhusan2002](https://github.com/bhusan2002)

Email: [bhusanrath123@gmail.com](mailto:bhusanrath123@gmail.com)  
Mobile: +91-6261418449

## SKILLS SUMMARY

- **Languages:** Java, Python, Kotlin.
- **Web Technologies:** HTML, CSS, JavaScript.
- **Database:** MySQL, Big Query, Excel.
- **Platforms:** Windows, Linux, Git, GitHub, Android Studio.
- **Visualization:** Tableau, Power Bi,
- **ML Tools:** Linear, Logistic Regression, SVM, GBR, XGBOOST.

## TRAINING

- **Google Data Analytics Professional Certificate** July 2023
  - Domain: Data Analytics
    - Achieved Google Professional Certificate in Data Analytics within 2 months.
    - Mastered data cleaning, problem-solving, critical thinking, data ethics, and data visualization.
    - Participated in over 180 hours of practical instruction and assessments.
    - Executed SQL queries to manipulate and aggregate data for analysis.
    - Presented project outcomes, demonstrating proficiency in data analysis and visualization techniques**Tech stacks used:** MySQL | Big Query | Excel | Tableau | Spreadsheets| R | Presentations

## PROJECTS

- **Rainfall Prediction Using Machine Learning** March 2024 – May 2024

Trained various machine learning models including:  
Logistic Regression, Random Forest, SVM, Gradient Boosting Regressor, and XGBoost.  
Implemented Ensemble Stacking for creating hybrid models.  
Developed multiple hybrid models using 10 different algorithms to enhance accuracy.  
Evaluated model performance using RMSE, MAE, MSE, and R2 Score.

Achievements:

  - Gradient Boosting Regressor R2 Score: 87.4%
  - Hybrid Model 4 (meta learner = XG Boost) R2 Score: 87%

**Libraries Used:** Scikit-Learn, SVM, Ensemble Stacking, XGBOOST, GBR
- **Sustainable Energy Analysis** June 2023 – June 2023

Conducted data analysis on a Kaggle dataset of 198 countries to explore sustainable development and energy correlations.  
Cleaned raw data and identified correlation between the parameters.  
Developed 20 sets of questionnaires to guide the analysis.

**Libraries & Technologies Used:** Excel, Python, Pandas, NumPy, Seaborn
- **Netflix Dataset Analysis** September 2023 - November 2023

Analyzed the IMDb database to uncover insights related to movies and shows.  
Utilized Advance Excel formulas to clean and remove redundancies from the dataset.  
Developed a comprehensive set of questions to query the dataset.  
Implemented queries using Big Query and visualized results through a Tableau dashboard.

**Technologies Used:** Big Query, Excel, SQL, Tableau.

## ACHIEVEMENTS

- **4 Star Rating in Java on Hacker rank**
- **Runner Up in Valorant Event in University.**

## CERTIFICATIONS

- Professional Android Development by Meta | Coursera November 2023
- Data Analytics Professional | Google July 2023
- Java Data Structure and Algorithms | Udemy June 2022

## EDUCATION

- **Lovely Professional University** Phagwara, Punjab
  - Bachelor of Technology - Computer Science and Engineering; CGPA: 7.72 Since August 2021
- **FIITJEE Hr. Sec. School** Bhubaneswar, Odisha
  - Intermediate; Percentage: 78.6% April 2018 - March 2020
- **Sri Prakash Vidya Niketan** Visakhapatnam, Andhra Pradesh
  - Matriculation; Percentage: 90.5% April 2016 - March 2018