

RIKI BAURI

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SUMMARY

A highly motivated and detail-oriented Engineering student seeking a challenging position in a growth oriented organization where I can leverage my programming, problem-solving, and software development skills to contribute to team success and enhance my professional growth.



EDUCATION

- **Asansol Engineering College** June 2022 - June 2026
Bachelors of Technology of Computer Science And Business System
◦ GPA: 6.8 Asansol, West Bengal
- **Ukhra Kunja Behari Institution** April 2022
XII - WBCHSE
◦ Grade: 90% Ukhra, West Bengal
- **Ukhra Kunja Behari Institution** March 2022
X - WBBSE
◦ Grade: 81.6% Ukhra, West Bengal

SKILLS

- **Programming Languages:** C , C++ , Python , Java(Basic)
- **Libraries Tools:** Pandas, NumPy, Scikit-learn, XGBoost, Matplotlib, Seaborn.
- **Database :** MySQL
- **Frontend Technologies:** HTML, CSS, Typescript, React, vite.
- **Web Technologies :** Streamlit, Vercel, Netlify.

PROJECTS

- **Project A: Coal Production Forecasting Using Machine Learning** July - 2025
Tools: Python, Pandas, NumPy, Scikit-learn, XGBoost, Matplotlib, Seaborn, Streamlit . 
 - Designed and implemented a **machine learning model** (Random Forest, XGBoost) to forecast coal production using **historical mining and industry datasets**.
 - Applied **data preprocessing techniques** such as missing value imputation, feature engineering, and time series decomposition to enhance prediction accuracy.
 - Optimized model performance using **RMSE, MAE, and R²** metrics, achieving a **forecast accuracy improvement of X%** through hyperparameter tuning.
 - Developed and integrated an **interactive dashboard** for real-time trend visualization, supporting **data-driven operational planning** and resource allocation.
- **Project B: SpectrumAURA-Autism Understanding and Recognition Assistant** August - 2025
Tools: React.js, HTML, CSS, Typescript, Tailwind CSS, Material-UI, React Context API, Git, GitHub, Vite, Vercel. 
 - Developed a responsive and accessible React-based frontend enabling intuitive interaction for autism screening and awareness tools.
 - Implemented dynamic data visualization and progress tracking to display screening results and learning resources.
 - Integrated API endpoints for real-time assessment processing and personalized recommendations.

CERTIFICATIONS

- **Python Fundamentals (by NASSCOM)** March-2023
- **Data Analysis with Python (by IBM)** July-2025

ADDITIONAL INFORMATION

Languages: English(Decent) Hindi(Fluent) Bengali(Fluent)

Hobbies: Playing Cricket, Listening Music, Traveling , Exploring a diverse range of movies in my free time.