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Summary

A strong foundation in Mathematics has shaped a keen analytical mindset, fueling a passion for solving real-world challenges. This passion led to an exploration of Machine Learning and AI, and now I'm pursuing a career in Data Science to build intelligent systems for complex problems.

Education

University of Kalyani, West Bengal

M.Sc in Data Science

Expected: 2025

Presidency University, Kolkata

B.Sc in Mathematics

Graduated: 2023

Skills

- **Languages:** C, Python, R
- **ML:** Gradient Descent, Classification, Regression, Decision Trees
- **Deep Learning:** TensorFlow, Keras
- **Data Tools:** Data Mining, Big Data Algorithms
- **AI:** Search Techniques (Local, Informed, Uninformed)
- **Analysis:** MS Excel, Power BI, Statistics
- **Databases:** SQL, DBMS
- **Scientific Computing:** Numerical Methods
- **Soft Skills:** Communication, Teamwork
- **Big Data:** Hadoop, HDFS, MapReduce, Hive
- **NLP:** Text preprocessing, Sentiment analysis

Projects and Case Studies

Health Risk Prediction App (Ongoing): Predicts diseases based on lifestyle inputs using ML; implements secure data encryption.

Descriptive Analysis of Wrangled Data: Handled missing data, encoded datasets, performed statistical and visual analysis.

Music Genre Classification: Used LibROSA and ML models (Random Forest, SVM, Neural Networks) for genre prediction.

Telecom Churn Case Study: Built predictive models to identify churn indicators in telecom data.

Credit Risk Analysis: Analyzed loan datasets using Python; presented insights using data visualization tools.

Languages

- English — Fluent
- Bengali — Fluent
- Hindi — Fluent

Extra-Curricular Activities

- Elected Class Representative, Presidency University Students' Council
- Professional Cricketer — Played at CAB level
- Captain — Presidency University Cricket Team
- Intra-University Sports Champion — Cricket, Football, Volleyball