

# Rohit Dutta

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🌐 LinkedIn

🐙 GitHub

🌐 Portfolio

## Professional Summary

Passionate Data Scientist and AI Engineer with a strong foundation in computer science. Skilled in transforming complex data into actionable insights and building intelligent solutions. Experienced in machine learning, deep learning, full-stack development, predictive analytics, and data visualization. Enthusiastic about learning new technologies and contributing to open-source projects.

## Technical Skills

**Programming Languages:** Python, R, C, C++, Java, SQL, JavaScript, HTML5, CSS3

**AI & Machine Learning:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, Hugging Face, LangChain

**Web Development:** Django, Flask, Shiny, React, Node.js, Express, Tailwind CSS, Bootstrap, Streamlit

**Databases:** MySQL, SQLite, MongoDB, Oracle

**Tools & Platforms:** Git, GitHub, Jupyter Notebook, Google Colab, Postman, Ollama

## Education

**B.Tech in Computer Science**

2023 – 2027

Specialization: Data Science

Heritage Institute of Technology, Kolkata

GPA: 8.85/10

## Experience

**Global Tech Solutions (AI Engineer Intern)**

June-August 2025

Plateful (Internship Project)

MERN, ANN, AI Chatbot, Chart.js

- Developed a web platform connecting donors, restaurants, and NGOs to redistribute surplus food.
- Integrated an ANN model for intelligent food matching and built an AI chatbot for user assistance.
- Designed analytics dashboards using Chart.js to monitor real-time impact.

## Projects

**GramSathi**

GitHub

*MERN, GenAI, WebSocket, Tailwind CSS*

Engineered a multilingual telemedicine platform supporting real-time video consultations, AI-powered symptom triaging, offline medical record management, and emergency alert broadcasting using WebSockets. Integrated GenAI for multilingual health query handling and automated appointment workflows.

**D-Buddy**

GitHub

*R Shiny, XGBoost, Data Visualization*

Developed an interactive R Shiny application to predict diabetes risk using an XGBoost model trained on medical and lifestyle data. Implemented dynamic dashboards for personalized 3-course meal recommendations and risk analysis with real-time visualizations.

**LinkedIn Survey Analysis**

GitHub

*EDA, K-Means Clustering, Sentiment Analysis*

Conducted comprehensive exploratory data analysis and sentiment analysis on user survey data to assess LinkedIn's user experience vs competitors. Applied K-Means clustering to segment user behavior patterns and performed hypothesis testing to derive actionable insights.

## Certifications

- Complete Data Science, Machine Learning, Deep Learning, NLP Bootcamp 2025  
Issuer: KRISHAI Technologies Private Limited
- Complete Generative AI Course with LangChain and Hugging Face 2025  
Issuer: KRISHAI Technologies Private Limited
- Ultimate RAG Bootcamp Using LangChain, LangGraph & Langsmith Ongoing  
Issuer: KRISHAI Technologies Private Limited