

ATANU MANNA

Hooghly, West Bengal

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🌐 [Linkedin](#)

🐙 [Github](#)

📁 [Portfolio](#)

PROFILE SUMMARY

I am an AI & ML Engineer with over a year of practical experience in developing and deploying effective AI solutions in real-world scenarios.

EDUCATION

The Neotia University, Diamond Harbour

2021 – 2025

B.Tech - Computer Science and Engineering - CGPA - 9.02

Diamond Harbour, West Bengal

TECHNICAL SKILLS

Languages: Python, SQL, C, Java

Technologies/Frameworks: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn, HuggingFace, Streamlit, Flask, LangChain

Developer & Deployment Tools: Git, GitHub, Docker, MLOps

AI & ML Tools: Data Cleaning, EDA, Machine Learning, Deep Learning, Generative AI

Databases: MySQL

EXPERIENCE

Intern at DCG Data Core System 

Jan 2025 - Jun 2025

Role - AI-Integrated Backend Developer

Kolkata, West Bengal

- Developed a full-stack ASP.NET Core MVC application for hospital patient registration, ensuring secure data entry and a modular design that significantly reduced manual workload
- Built a Retrieval-Augmented Generation (RAG) chatbot using LLMs, enabling intelligent and context-aware responses


Intern at WEBEL 

June 2024 - August 2024

Role - Data Science Intern

Kolkata, West Bengal

- Conducted EDA and clustering (K-Means) on 5 years of global socio-economic data to identify drivers of national happiness, providing insights for policymaking.
- Designed an interactive Streamlit dashboard that optimized workflow for policymakers by transforming raw datasets into actionable visual insights.

Intern at AILABS 


June 2023 - August 2023

Role - Machine Learning Intern

Kolkata, West Bengal

- Developed an end-to-end Loan Approval Prediction System achieving 89% accuracy, using Logistic Regression, Random Forest, and XGBoost.
- Implemented model tracking with **MLflow**, containerized workflow using **Docker**, and deployed on **Render** for real-world usage.

PROJECTS

Career Assistant Platform  | [llama-3.3-70b-versatil](#), [SQLAlchemy](#), [Langchain](#), [Flask](#)


2025

- Engineered an AI-powered Career Assistant that fetches job postings, parses resumes, and recommends jobs using semantic similarity and embeddings.
- Integrated a RAG-based chatbot to handle user queries and automated PDF generation for resumes and cover letters, which significantly reduced manual effort in job applications

Medical Insurance Cost Prediction  | [Python](#), [Streamlit](#), [Pandas](#), [Matplotlib](#), [Seaborn](#)

2025

- Built a modular ML pipeline for **medical insurance cost prediction** using regression models (**Linear Regression, Random Forest, XGBoost, CatBoost**), achieving $R^2 = 0.86$
- Performed EDA, feature engineering, and hyperparameter tuning (RandomizedSearchCV), then deployed via **Streamlit on Render**, enabling interactive usage.

How Educated India Is  | [K-Means](#), [Python](#), [matplotlib](#), [Seaborn](#)

2025

- Executed the **How Educated India Is** project by analyzing census data (1991–2011) to study literacy trends across states, education levels, gender, and age groups, and clustered states with similar literacy patterns
- Forecasted literacy rates for 2021 and 2031, and built an interactive **Streamlit dashboard** deployed on Render.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional - Oracle, Sep 2025
- Introduction to Data Science - Cisco Networking Academy, Sep 2025