

Soumyadeep Mukherjee

AI & Machine Learning Enthusiast | Aspiring ML Techie

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Professional Summary

A detail-oriented AI/ML student with a strong foundation in deep learning, Python, and data analysis. Passionate about building and deploying end-to-end machine learning solutions, with proven experience in regression modeling, NLP, and leading community tech events.

Education

Bachelors of Science (BSc.) in Information Technology (AI Specialization) *Sep 2023 – Aug 2027 (Expected)*
Maulana Abul Kalam University of Technology, W.B, West Bengal, India

- **CGPA:** 8.5/10.0 (as of Aug 2025)
- **Relevant Coursework:** AI Algorithms, Machine Learning, Natural Language Processing, Data Structures Algorithms, Linear Algebra, Probability Statistics.

Skills

Languages: Python, C++, SQL

ML/DL Libraries: PyTorch, TensorFlow, Scikit-learn, Keras

Data Science Libraries: Pandas, NumPy, Matplotlib, Seaborn, NLTK

Developer Tools: Git, Jupyter Notebooks, Linux, LaTeX

ML Concepts: Supervised Unsupervised Learning, Regression, Classification, CNNs, RNNs, Model Evaluation

Projects

AI-Powered House Price Predictor <https://github.com/Soumyadeep-Mukherjee/house-price-predictor>

- **Engineered** and **optimized** city-specific RandomForestRegressor models to predict real estate prices with high accuracy.
- Architected a robust data pipeline for cleaning and outlier removal; performed hyperparameter tuning using **RandomizedSearchCV**.

- Deployed the model as an interactive web app using **Streamlit**. **Live Demo:** streamlit.app

JobEazy – AI-Powered Job Finder <https://jobs-finder-web.web.app/>

- **Architected** an AI-powered feature using the Gemini API to deliver intelligent, real-time job recommendations based on user skills.
- Deployed the app on Firebase Hosting, ensuring a scalable and seamless user experience.

Community Leadership Experience

Management Co-Lead *Oct 2024 – Present*
Google Developer Groups on Campus MAKAUT (GDGoC Makaut) | MAKAUT, W.B

- Co-organized a 1-day Python workshop (200+ attendees) and a 2-day AI/ML workshop with hands-on labs.
- Partnered with the university's cultural club to host a cross-department coding competition on HackerRank.
- Managed outreach, participant data, and session planning to maximize turnout and ensure value-driven learning experiences.

Core Member *Aug 2024 – Sep 2025*
Ajantrik Cultural Club | MAKAUT, W.B

- Played a key role in organizing a high-impact cultural event in collaboration with SBI Bank, drawing 300+ attendees.
- Applied audience feedback and structured planning to enhance event flow and engagement.