AHANA MUKHOPADHYAY

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OBJECTIVE

Aspiring Data Scientist and final-year B.Tech. student with a specialization in Data Science seeking to leverage strong analytical skills and hands-on experience in machine learning and data visualization to solve real-world business problems.

EDUCATION

B.Tech. in Computer Science and Engineering

Brainware University, Kolkata, India — AUG 2022 – JUN 2026

CGPA: 9.88

Relevant Coursework: Machine Learning, Data Structures, Statistics, Data Mining, Big Data

Higher Secondary Education (Class 12)

The Aryans, India — JUL 2019 – JUN 2021

Percentage: 93.29%

Subjects: Physics, Chemistry, Mathematics / Biology

Secondary Education (Class 10)

Loreto Day School Dharamtala, India — FEB 2012 – JUN 2019

Percentage: 94%

CERTIFICATIONS

IBM Data Science Professional Certificate, IBM – Issued Sep 2022

Learning Data Analytics: 1 Foundations, LinkedIn – Issued Mar 2025

Choosing the Right ML Approach for Your Business, LinkedIn- Issued Mar 2025

VIRTUAL EXPERIENCE PROGRAMS

Accenture North America – Data Analytics & Visualization – Feb 2025

Over the period of September 2024 to February 2025, I have completed practical tasks in: Project Understanding Data Cleaning & Modeling Data Visualization & Storytelling Present to the Client.

Deloitte Australia – Data Analytics – Mar 2025

Over the period of February 2025 to March 2025, I have completed practical tasks in: Data analysis Forensic technology.

TATA GROUP -- Data Visualization: Empowering Business with Effective Insights – Mar 2025

Over the period of March 2025, I have completed practical tasks in: Framing the Business Scenario Choosing the Right Visuals Creating Effective Visuals Communicating Insights and Analysis.

PROJECTS

Stroke Prediction Using Machine Learning

Developed a predictive model to assess stroke risk using patient health data

Tools: Python, Scikit-learn, Pandas, Logistic Regression, Random Forest

GitHub: https://github.com/MissAHANA/Stroke-Prediction-ML

Spotify Song Popularity Prediction & Streamlit App

Built a model to predict Spotify song popularity based on audio features

Developed an interactive visualization tool using Streamlit

Tools: Python, Scikit-learn, Pandas, Streamlit

App: https://spotify-song-popularity-xcqcta4xcctmzlftiqdbd9.streamlit.app/

Flood Risk Prediction using AI (Gradio Web App)

Predicted flood risks using rainfall and MODIS land cover data

Integrated remote sensing and geospatial data for risk classification

Tools: Python, Rasterio, MODIS, Scikit-learn, Gradio, Hugging Face

App: https://huggingface.co/spaces/mukherjeea/flood-prediction-ai

Conference Paper (In Progress) – Predicting Neurodegenerative Disease Risk from Long-Term Mental Health Patterns Using AI

Authoring a paper exploring the use of machine learning to assess how psychiatric conditions (e.g., depression, anxiety, sleep disorders) influence the risk of neurodegenerative diseases

Emphasizing feature engineering, longitudinal modeling, and interpretable AI for healthcare applications

TECHNICAL SKILLS

Languages: Python, SQL, R, C, Java
Libraries/Tools: Pandas, NumPy, Scikit-learn, Matplotlib, Tableau, Git, PowerBI
Machine Learning: Regression, Classification, Clustering, Neural Networks, Deep Learning.
Soft Skills: Problem-Solving, Communication, Teamwork