Irfan Mehmud

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github.com/Irfan140   —   linkedin.com/in/irfan-mehmud   —   irfanmehmud.site

EDUCATION

Haldia Institute of Technology, Haldia, India
B.Tech in Information Technology   **2023 – Present**
YGPA: 8.71

Assam Higher Secondary Education Council
12th Grade, Grade: 67%   **2022**

Board of Secondary Education, Assam
10th Grade, Grade: 83%   **2020**

PROJECTS

Portfolio Website — irfanmehmud.site
Developed a responsive personal site using React.js and CSS to showcase projects and experience.

Customer Churn Prediction App — github.com/Irfan140/churn-prediction-app
Built with Streamlit and TensorFlow for real-time churn prediction. Used preprocessing techniques like label encoding, scaling, and model deployment.

Spam Detection System — github.com/Irfan140/Spam-detection
Used BoW and TF-IDF with Naive Bayes and SVM to classify spam messages with high accuracy.

Student Score Prediction — github.com/Irfan140/Exam-score-prediction
Built regression models (XGBoost, etc.) to predict math scores using student data. Achieved 87% accuracy.

Video Platform Backend (In Progress) — github.com/Irfan140/Backend-Mega-Project
RESTful API backend using Express.js and MongoDB to support uploads, authentication, comments, and metadata.

SKILLS

Languages: C, C++, JavaScript, Python

Backend Development: RESTful API Design, Node.js, Express.js, Flask

Databases: MongoDB

Data Science: Data Cleaning, EDA, Feature Engineering, Pandas, NumPy, Matplotlib, Seaborn

Machine Learning & Deep Learning: Supervised and Unsupervised Learning, Scikit-learn, TensorFlow, NLP

Generative AI: LangChain, Vector Embeddings, LLM APIs, RAG Pipelines

Tools: Git, Jupyter Notebook, VS Code, Postman, Linux, Docker

EXPERIENCE

Technical Team Member — IETE Society   May 2024 – Present
Contributed to organizing and supporting technical events and hackathons.

Campus Ambassador — GeeksforGeeks   Dec 2024 – Present
Promoted coding culture through workshops, seminars, and online contests.

INTERESTS

Chess, Reading Books, Japanese Language Study (JLPT N5 prep)