

Taher Batterywala

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EDUCATION

VIT Bhopal University

B.Tech in CSE (Specialization in AIML)

Bhopal, India

Sep 2023 – Jun 2027

S.I.C.A. Senior Secondary School

Senior Secondary Education (CBSE, Class I-XII)

Indore, India

Apr 2008 – Mar 2023

TECHNICAL SKILLS

AI, ML & GenAI: TensorFlow, Keras, Scikit-learn, LangChain, RAG, Hugging Face Transformers, Embeddings, NLP

Data & Development Tools: Flask (REST APIs), AWS (Cloud), Render, Git/GitHub, Pandas, NumPy, Matplotlib

Languages & CS Fundamentals: Python, C++, Java, SQL, Object-Oriented Programming (OOP), Data Structures (DSA), DBMS, OS

PROJECTS

1. FinSight: Agentic Financial Forecasting & Trading System

GenAI & Deep Learning Project

Python, LSTM, Transformers, LangChain, RAG, yfinance

- Architecting a hybrid **Agentic System** combining **LSTM neural networks** for quantitative forecasting with **Large Language Models (LLMs)** to analyze news sentiment and **Embeddings**.
- Implementing a **RAG pipeline** to fetch real-time global financial news, enabling the system to act as a "Personal Autonomous Broker" that explains market trends via a conversational chatbot.
- Designed a dynamic portfolio planner that automatically selects risk-adjusted investment strategies based on user-defined profit targets and time horizons.

2. HealBridge AI: Multimodal Disease Diagnostic System

Full Stack AI Project

Python, Flask, Scikit-learn, Computer Vision, Render

- Developing a **Multimodal Diagnostic Bot** capable of analyzing user-uploaded medical images (Computer Vision) alongside symptom text to provide accurate triage advice.
- Trained a robust classification model on **41 unique disease classes**, achieving **98% accuracy** by benchmarking and optimizing Random Forest and XGBoost algorithms.
- Engineered a scalable **Flask REST API** to serve real-time predictions and deployed the application on Render, ensuring low-latency access for end-users.

3. GamerSense: Behavioral Segmentation & Monetization Engine

Data Science Project

Python, Scikit-learn, Pandas, Matplotlib, K-Means

- Executed a full-cycle data science project to analyze player behavior, deploying **K-Means clustering** to segment users into valuable personas like "Efficient Spenders" vs. "Dedicated Fans."
- Benchmarked **7+ classification algorithms** using **SMOTE** to handle class imbalance, successfully predicting player spending habits to drive monetization strategies.
- Derived critical strategic insights proving behavioral features alone were insufficient for prediction, recommending hybrid data collection methods for future iterations.

EXPERIENCE

Google Developers Group VIT Bhopal

Core Team Member

Nov 2024 – June 2025

Bhopal, India

- Engineered 5+ large-scale technical events for 200+ participants; managed the technical backend for a 10-part workshop series, ensuring 100% uptime for live demos.
- Served as the **Technical Liaison** between event planners and a 6-member dev team, translating abstract concepts into executable specs for hackathon platforms.

CERTIFICATIONS

Applied Machine Learning in Python – University of Michigan (Coursera) [\[View Certificate\]](#)

Cloud Computing – NPTEL (Swayam) [\[View Certificate\]](#)