

# Taher Batterywala

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## EDUCATION

### VIT Bhopal University

B.Tech in CSE (Specialization in AIML)

Bhopal, India

Aug 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

**Languages:** Python, C++, Java, SQL, HTML

**Libraries & Frameworks:** Scikit-learn, Pandas, NumPy, Matplotlib

**Coursework:** Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks

## PROJECTS

### HealBridge AI: Intelligent Disease Prediction System [\[link\]](#)

Feb 2025 – Apr 2025

Data Science Project

Python, Pandas, Scikit-learn, Flask, Render

- Spearheaded an end-to-end data science project to build and deploy a predictive system for disease classification based on user symptoms.
- Performed extensive data cleaning and preprocessing on the raw dataset, conducting Exploratory Data Analysis (EDA) to handle missing values, correct inconsistencies, and apply feature engineering for model optimization.
- Developed and benchmarked several classification models (e.g., Logistic Regression, Random Forest, XGBoost), utilizing Scikit-learn for training and cross-validation to select the highest-performing algorithm based on F1-score and AUC-ROC metrics.
- Analyzed the final model's feature importance to identify the most influential symptoms for key disease predictions, providing insights into the model's decision-making process and enhancing its transparency.
- Engineered a REST API using Flask to serve the trained model and successfully deployed the complete application on the Render cloud platform, enabling real-time predictions from live user input.

### Data-Driven Player Monetization and Engagement Analysis

Aug 2025 – Present

Data Science Project

Python, Scikit-learn, Pandas, Matplotlib, Flask

- Architected and executed an end-to-end data science project to analyze and model mobile gamer behavior, focusing on segmentation, prediction, and recommendation to drive engagement and monetization.
- Engineered a robust data preprocessing pipeline, conducting comprehensive EDA to handle inconsistencies, impute missing values, and extract powerful features from raw player data.
- Deployed Unsupervised Learning (K-Means Clustering) to segment players based on behavioral patterns, successfully identifying two distinct, commercially-valuable personas: "Dedicated Fans" (high engagement) and "Efficient Spenders" (high monetary value).
- Orchestrated a Supervised Learning "Model Showdown" to predict player spending tiers, systematically benchmarking seven classification algorithms (e.g., Logistic Regression, Random Forest, XGBoost) and leveraging SMOTE to combat severe class imbalance.
- Critically Evaluated model performance, concluding that behavioral features alone were insufficient for reliable spending-tier prediction—a key strategic insight that prevents the deployment of a flawed model and highlights the need for richer data.

## EXPERIENCE

### Google Developers Group VIT Bhopal

Nov 2024 – June 2025

Core Team Member

Bhopal, India

- Engineered and executed 5+ large-scale events, systematically managing all operational phases from initial concept to post-event analysis for 200+ participants.
- Managed the complete operational and technical backend for a 10-part workshop series, handling everything from initial speaker communication to live event technical support.
- Spearheaded all outreach and communication to secure 3+ Google Developer Experts (GDEs), managing scheduling, technical requirement checks, and promotional content to ensure successful sessions.
- Functioned as the critical technical liaison between event planners and a 6+ member development team, translating event concepts into technical specifications for hackathon platforms and live demos.