

# HARSH DHORIYANI

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## Education

### VIT Bhopal University

Sept 2023 – Present

*B-Tech in Computer Science Specialization in AI and ML*

- GPA: 8.82/10.0

**Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Computer Networks, Operating Systems, Database Management Systems, Machine Learning, Artificial Intelligence

### S.N.B.P's International School

May 2022 – May 2023

*Senior Secondary Education - CBSE*

- GPA: 8.5/10.0

## Projects

### GrowFit: AI-Powered Crop Price Prediction (In Progress)

GrowFit

- Developing a full-stack application to predict crop prices using machine learning models including **XGBoost**, **Random Forest**, and **Ridge Regression**.
- Implemented data pre-processing and model training pipelines for accurate crop price forecasting.
- Front-end UI designed using **HTML**, **CSS**, and **JavaScript** to enable user-friendly interaction with the model.
- Back-end integration and API development are currently in progress.
- **Tech Stack:** Python, Scikit-Learn, XGBoost, Flask, SQL, HTML, CSS, JavaScript, Git

### EventSnap: AI-Powered Photo Match

GitHub

- Developed a web platform for users to capture, upload, and share event photos with real-time updates.
- Built a responsive, mobile-friendly UI using **HTML**, **CSS**, **React.js**, and **TypeScript**.
- **Tech Stack:** Python, React.js, TypeScript, CSS, MongoDB, Git, Computer Vision

### AdX Analytics: Unveiling Digital Performance

GitHub

- Analyzed performance data from digital advertising campaigns to uncover trends in user engagement and optimize ROI.
- Computed and visualized key marketing KPIs, including **Click-Through Rate (CTR)**, **Cost Per Click (CPC)**, and **Revenue Per Click (RPC)**.
- Leveraged Pandas and NumPy for data wrangling and metric calculation, and used Matplotlib or Seaborn to create clear visual reports for stakeholders.
- **Tech Stack:** Python, Pandas, Matplotlib, Seaborn, Numpy

## Technologies

**Languages:** Python, Java, C++, JavaScript

**Web Development:** React.js, CSS, Node.js, Express.js, HTML, CSS, MySQL, MongoDB

**ML:** Regression, Decision Trees, Random Forest, KNN, XGBoost, LightGBM, K-Means, Ensemble methods

**Data Science:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, SciPy, TensorFlow, OpenCV

**Cloud & Tools:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab, AWS(Basic)

## Achievements & Leadership

- **Design Specialist** at **FinTech Club** at VIT Bhopal University, contributing to UI/UX designs.
- Earned **Google Cloud merchandise** for successful completion of hands-on labs in **Google Arcade Program**.
- Solved **300+ DSA problems** across various platforms, strengthening core problem-solving skills.
- **Academic Achievement:** Ranked in the **top 10%** of students based on overall academic performance at university.