

# Utkarsh Yadav

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## EDUCATION

### VIT Bhopal University

Bachelor of Technology

Major in Computer Science and Engineering (Specialization in AI & ML)

Cumulative GPA: 7.81/10

Bhopal, Madhya Pradesh

Expected May 2026

## INTERNSHIPS

### Evoastra Ventures Pvt. Ltd.

Artificial Intelligence Intern

Remote

Feb 2025 - April 2025

- Built a machine learning pipeline to predict customer subscription likelihood using UniCredit's marketing dataset (**45,000+ records, 16 features**), achieving **83% accuracy** and boosting targeting efficiency.
- Executed **data preprocessing, exploratory data analysis (EDA), and feature engineering**, reducing model noise by **18%** and increasing precision by **12%**.
- Developed and compared classification models (**Logistic Regression, Decision Trees, Random Forest, SVM**), applied hyperparameter tuning, achieving **15% higher F1-score** over baseline.

### Sniperthink

Data Analyst Intern

Remote

June 2025 - Present

- Formulated **predictive models** and **multi-layer KPI pipelines**, accelerating client insights with a **25% faster reporting cycle**.
- Streamlined business process workflows on **Whimsical**, reducing cross-team ambiguity and enhancing collaboration efficiency by **30%**.
- Engineered and deployed **sniperthink.com** in **Next.js + Tailwind CSS**, converting complex Figma prototypes into a **fully responsive website** that decreased load speed by **40%**.
- Automated **CI/CD pipeline on N8N**, cutting deployment time by **70%** and ensuring zero downtime updates.

## UNIVERSITY PROJECTS

### PrepEngine - Educational Platform

May 2025

- Created a full-stack educational platform using the **MERN stack**, featuring user authentication, course management, and interactive learning modules.
- Engineered RESTful APIs using Node.js and Express.js, applying secure authentication middleware and efficient data models for users, courses, and learning materials.

### Stock Market Sentiment Analysis

March 2025

- Integrated sentiment analysis results from WallStreetBets posts into an existing investment dashboard, enhancing the team's ability to identify and capitalize on emerging market opportunities; fixed 7 bugs.
- Used advanced machine learning and NLP techniques including XGBoost, LSTM, and FinBERT for sentiment analysis, utilizing Python for data preprocessing, feature engineering, and model evaluation.

## ACTIVITIES

### AI Club, VIT Bhopal

Event Team Lead

Bhopal, Madhya Pradesh

Oct 2023 - Oct 2024

- Directed a team of **20+ members** and organized **5+ events**.

### Ryan International School

House Captain

Noida Extension, Uttar Pradesh

March 2017 – May 2020

- Served as Emerald House Captain for **3 years** and coordinated **20+** school programs and competitions.

## ADDITIONAL

**Technical Skills:** Proficient in Python, SQL, HTML/CSS, JavaScript, C++ (Basic), Java (Basic), Data Analysis & Visualization, Machine Learning, Statistical Modeling, Business Analytics

**Frameworks & Tools:** Git & GitHub, RESTful API, OpenAI API, N8N, PowerBI, pandas, NumPy, Matplotlib, Next.js, React.js, Node.js, Express.js, MongoDB, Jupyter

**Soft Skills:** Problem-Solving, Self-Learning, Presentation, Adaptability, Versatility

**Languages:** Fluent in English and Hindi

**Certifications & Training:** DSA Bootcamp(Udemy), MATLAB Onramp (MathWorks), Data Analysis, Machine Learning