

# YASH THAKARE

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## OBJECTIVE

A highly motivated Machine Learning enthusiast with hands-on experience in building predictive models and data-driven solutions. I am actively seeking a challenging internship in the AI/ML domain to apply my skills in Python, SQL, and deep learning to solve complex, real-world problems.

## EDUCATION

### VIT Bhopal University

B.Tech in Computer Science (AI & ML)

2023 – 2027

Madhya Pradesh, India

- CGPA: 8.95/10.00

## SKILLS

### Languages & Databases

Python, SQL, C++, MATLAB, MongoDB

### Libraries & Frameworks

Scikit-learn, TensorFlow, Pandas, NumPy, FastAPI, NLTK, Matplotlib, XGBoost

### Developer Tools

Git, Google Cloud Platform, Microsoft Power BI

## EXPERIENCE

### amasQIS.ai

AI Intern

Apr 2025 – Sep 2025

Remote

- Designed and implemented a MongoDB schema for storing processed time-series data from fuel cell systems.
- Engineered and maintained a RESTful API using FastAPI to serve structured data for real-time analytics.
- Developed an interactive geospatial visualization tool using Python (Plotly, Folium) and OpenWeatherMap API to display ML model insights on a live map, accelerating site assessment.

## PROJECTS

**Architecting Resilient AI for Satellite Imagery (Ongoing Research).** Developed an integrated defense system using a novel Perturbation Dampening Module (PDM) and stable adversarial fine-tuning on NWPU-RESISC45 and EuroSAT. Achieved significant robustness against PGD attacks while maintaining 95%+ clean accuracy baseline.

**Entropy Driven Analysis of Misinformation.** Analyzed 5,613 misinformation stories from the COVID-19 pandemic by integrating Shannon Entropy with NLP models (NLTK, Scikit-learn), resulting in a novel approach that improved nuanced misinformation detection by 15%.

**Crop Yield Prediction Model.** Implemented and evaluated over 10 ML algorithms on a 50,000+ record agricultural dataset. Applied feature engineering (PCA, LDA) to develop a final ensemble model that achieved 90% predictive accuracy.

## LEADERSHIP EXPERIENCE

- As **Treasurer & Board Member** for the AWS Cloud Club, I manage a \$4,000 budget, coordinate technical workshops, and lead recruitment efforts that grew membership by 15%. Recognized by the official **AWS Cloud Club Core Team** badge.

## ACHIEVEMENTS

- Qualified for Round 2 of the **Flipkart GRiD 7.0** national-level hackathon as an individual competitor.
- Advanced to Round 2 of the **Unstop Talent Park** competitive hiring challenge (2025).

## CERTIFICATIONS

- Supervised Learning (DeepLearning.AI & Stanford); DL in Ecology (IIRS) & Geodata Processing (ISRO).
- Cloud & AI (Google):** Cloud & Generative AI Study Jam; 15+ Skill Badges (Vertex AI); Google IT Support.
- Data Skills:** Power BI Visualization (Tata Group), Cloud Computing (NPTEL).