

YASH THAKARE

Pune, India ✦ +91-9309926529

yashthakare4280@gmail.com ✦ [linkedin.com/in/thakare](https://www.linkedin.com/in/thakare) ✦ github.com/TangoCharlieYT

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).