






# Ujjawal Tiwari AI/ML Enthusiast

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 Leetcode: leetcode.com/u/ujjwal9999    Portfolio: portfolio-1nm1.onrender.com

## Summary

- AI/ML Developer with expertise in building scalable applications using Python, TensorFlow, and Flask. Passionate about leveraging IoT ,Edge AI and cloud computing for innovative solutions.

## Skills

**Programming Languages:** Python, XML, JavaScript , SQL

**AI/ML Tools:** TensorFlow, PyTorch, Scikit-learn, Hugging Face, NLP, Deep Learning

**Frameworks:** Flask & Frappe, Highcharts, RabbitMQ, Langchain

**IoT & Cloud:** Google Cloud, AWS, Bluetooth, GPS, RFID, Edge AI

**DevOps & Deployment:** Kubernetes, Docker, MLOps, CI/CD, Github

**Soft Skills:** Smart Solutions, Teamwork , Communication

## Work Experience

**SOUL Limited**, Software Engineer  January 2024 – present | Odisha

- Developed AI-powered healthcare apps using Flask, IoT, and RestAPIs, reducing data retrieval time by 30% and increasing patient engagement by 25% .
- Integrated IoT devices with predictive analytics & NLP, LLMs, AI Model to enhance real-time decision-making in asset tracking.
- Optimized IoT-enabled ML workflows by integrating edge inference, reducing system latency by 50%, cutting cloud costs by 40%, and increasing adoption rate by 30% based on user feedback.
- Developed an AI-powered Asset Tracking System integrating RFID, GPS, and predictive analytics, improving real-time location accuracy by 40% and reducing asset loss by 99%.

**Johnson Controls**, Graduate Trainee Intern  January 2023 – December 2023 | Pune

- Contributed to the XAAP mobile app, engineered WebSocket-based AI-driven fire safety predictions, reducing response time by 40% and increasing alert accuracy by 25%.
- Developed a Flask-based web app for fire panel safety systems in 3 days, demonstrating rapid prototyping.

**Highradius Corp.**, Intern  January 2022 – May 2022 | Karnataka

- Contributed to Alzheimer's research using supervised learning with 5 teams.
- Analyzed datasets with unsupervised learning, achieving 85% model prediction accuracy.

## Education

**MBA (Information Technology)** 8.8 cgpa, Uttaranchal University  2024 – present | Dehradun

**B.Tech (CSE)** 8.78 cgpa, Kalinga Institute of Industrial Technology  2019 – 2023 | Odisha

## Projects

**Master System Integration**  August 2024

MS Integrates IoT with central storage and data processing system that regulates AI-driven diagnostics for ECG and navigation, Nursing call, Elevator call, IPTV System, Waste Management, GPS, CCTV in 4+ hospitals.




**Artificial Consultants for Healthcare and Legal issues**  August 2024 – October 2024

Built an AI-driven NLP system for medical diagnostics and legal case analysis, providing data-backed recommendations using deep learning and predictive analytics.

**QR Data Fetching And AI Consultation**  December 2023

Developed an AI-powered QR scanner using OpenCV, Tesseract OCR, NumPy, Pandas, and FastAPI, achieving 98% accuracy in Aadhaar data extraction.

## Certificates

Certified in Problem Solving and Node.js  | Google Cloud Application Infrastructure Modernization  |  
The Role of Global Capital Markets & Lessons for Investors  | AI & ML for Business Transformation 