

Ujjawal Tiwari AI/ML Enthusiast

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Summary

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

Skills

Programming Languages: Python, XML, JavaScript

AI/ML Tools: TensorFlow, PyTorch, Scikit-learn, OpenCV, Cloud-AI APIs, Hugging Face Transformer

IoT Technologies: Bluetooth, RFID, GPS

Management Tools: Miro, Jira, PowerBI, Figma, PostmanAPI, Swagger

Frameworks: Flask & Frappe, Highcharts, RabbitMQ

Cloud & Version Controls: Github, Gitlab, Google cloud


Soft Skills: Collaboration, Problem-Solving, Communication

Experience

SOUL Limited, Software Engineer 

January 2024 – present | Odisha

- Developed healthcare apps with Flask, IoT, MSI, RestAPIs and FHIR, delivering 30% faster.
- Integrated IoT devices with predictive analytics to enhance real-time decision-making in asset tracking.
- Improved user satisfaction by 30% with IoT-enabled, ML-based modernized workflows and Figma UIs.

Johnson Controls, Graduate Trainee Intern 

January 2023 – December 2023 | Pune

- Contributed to the XAAP mobile app, implemented real-time WebSocket data processing for dynamic AI-driven fire safety predictions.
- 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

Uttaranchal University, MBA (Information Technology) 8.8 cgpa 

2024 – present | Dehradun

Kalinga Institute of Industrial Technology, B.Tech (CSE) 8.78 cgpa 

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.

QR Data Fetching And AI Consultation 


December 2023


QR scanner fetches Aadhaar card data as well as 64-bit picture fragmentation in case of QR failure. AI consultation involves Patient's problem statement and history to predict suggestions for Doctors, departments and medications.

Certificates

Certified in Problem Solving and Node.js (HackerRank) 

Completed Google Cloud Application Infrastructure Modernization – proficient in cloud migration strategies. 

The Role of Global Capital Markets 

Lessons and Applications for Investors 

Business Transformation with Google Cloud 