

# ADITYA TIWARI

Indore, India | +91-7648935563 | tiwariaditya005@gmail.com  
LinkedIn: [linkedin.com/in/adityatiwari08/](https://linkedin.com/in/adityatiwari08/) | Portfolio: [adityatiwariportfolio.vercel.app](https://adityatiwariportfolio.vercel.app)

## SUMMARY

Computer Science student specializing in AI/ML and Full-Stack Development. Five-time hackathon winner, four published research papers with two Best Paper awards, contributor to two government projects. Expert in RAG, LLMs, Python, JavaScript, React, Next.js, FastAPI, Docker, and AWS.

## EDUCATION

### Bachelor of Technology in Computer Science and Information Technology

2023 – 2027

Acropolis Institute of Technology and Research | CGPA: 7.08/10

### Higher Secondary Certificate (Class XII)

2023

Sarafa Vidya Niketan | 83.4%

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, C++, SQL

**AI/ML:** LLMs, Generative AI, RAG, NLP, Computer Vision, YOLOv8, OpenCV, Prompt Engineering, LangChain

**Frontend:** React.js, Next.js, TypeScript, Three.js, HTML5, CSS3, Tailwind CSS

**Backend:** Node.js, Express.js, FastAPI, Flask, RESTful APIs, PostgreSQL, MongoDB

**Cloud/DevOps:** AWS, Docker, CI/CD, Git, GitHub

**Tools:** Vapi SDK, Make.com, WebGIS, OCR, NER, IoT/BLE

## EXPERIENCE

### ASTITAVA & NyayaSetu - Forest Governance Platform

Dec 2025

Government Project - Ministry of Tribal Affairs / Full-Stack Developer & AI Engineer

- Developed dual-platform ecosystem tribal members and officials for forest and tribal governance
- Built OCR and NER pipeline digitizing 1,000+ documents into FRA Atlas database, reducing processing time 85%
- Created Decision Support System with WebGIS integration and analytics dashboard for policy makers

### HealthSaarthi - Healthcare Ecosystem Platform

Sept 2025

Hackathon Winner / Lead Developer

- Won first place developing platform connecting patients, doctors, and hospitals in unified ecosystem
- Integrated AI disease prediction using OpenCV and YOLOv8 with 82% accuracy for preventive healthcare
- Built multi-lingual voice bot with Vapi SDK and Agentic AI for emergency alerts in 3+ languages
- Engineered IoT health monitoring using BLE with React and Three.js visualization

## AWARDS & ACHIEVEMENTS

- Winner - AI Fusion Hackathon at Tech-o-tsav | Hackathon 2.0 at Ministry of Tribal Affairs, Eureka IEEE Contest
- First Runner-Up - Innovik 5.0 National Hackathon (Vikrant University) | Mediverse Hackathon (Medicaps)
- SIH 2025 Finalist - Presented to Education Minister, featured in Government of India press release
- Best Research Paper Awards - NSSAFE 2025 and IEEE Ignite 2025

## PUBLICATIONS

### K-dimensional Trees for Efficient Face Detection

May 2025

TechRxiv Preprint / Reduced face detection complexity 18% while maintaining 82% accuracy

### Astitava: AI-Driven WebGIS Platform for Transparent Land Governance

May 2025

International Journal of AI and Technology Research (IJAITR)

### Integrating Renewable Energy into ASIC-based Cryptocurrency Mining

Oct 2024

ICII3-2024 Conference / Proposed framework reducing energy consumption 35%

## LEADERSHIP

Vice Chair, IEEE Student Branch, AITR | Leading workshops and innovation initiatives for 200+ members

Advisor, IEEE Student Branch, AITR | Mentored 50+ students on software development and research projects

International Service Director, Rotaract Club | Managing global projects