

OM KUMAR GUPTA

Portfolio -
<https://portfolio-om-ten.vercel.app/>

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PROFESSIONAL OVERVIEW

I'm a software developer who enjoys building clean, fast, and user-friendly web applications using React.js and Node.js. Over the years, I've worked across webapps , AI/ML, IoT, and Agentic AI automation, creating solutions that connect hardware, cloud systems, and intelligent workflows. I've built everything from ESP32-based IoT projects to Firebase-powered platforms and LLM-driven automation tools. I focus on writing clear, reliable code, collaborating well with teams, and turning ideas into real, working products. I'm always learning and love using technology to solve real problems effectively.

WORK EXPERIENCE

Next24tech Technology | ML Intern (Remote) May 2025 – July 2025

- Assisted in building and training ML models for predictive analytics and automation tasks
- Worked with Python and data visualization tools to preprocess, analyze, and interpret datasets.
- Gained exposure to real-world problem-solving by contributing to live client projects.

1561labs | Developer intern (Remote) December 2025 - February 2026

- Assisted in developing and improving backend features using **JavaScript (Node.js)**.
- Worked with **REST APIs**, database integration, and data handling to build reliable and efficient server-side workflows.
- Contributed to real-world client projects by debugging issues, optimizing performance, and delivering production-ready code.

REAL LIFE PROJECTS

UNI-COMM

- A project that reduces the communication gap between an Organization via webapp and whatsapp bot.
- Targeted a Gov. firm NCC for the project and applied the concept and also made Recommendation system using DL model.
- Tech: Python, React , Typescript , Firebase, GCP, Twilio.

Link - <https://ncc-erp.vercel.app/>

Offline Image Generation & Transformation

- Engineered a fully offline image generation model tuned from Hugging Face checkpoints
- Exported and deployed via ONNX Runtime + Qualcomm QIDK for mobile inference.
- Outcome: Enabled real-time local image output without internet dependency.
- Tech: Python, Hugging Face Transformers, ONNX .

AI Meeting Notes Software

- Built an AI-powered tool that automatically transcribes, summarizes, and organizes meeting discussions.
 - Implemented real-time synchronization with Firebase and integrated NLP models for smart summarization.
- Link - <https://note-ai-dashboard.vercel.app/>

Smart Waste Management System

- Developed CNN model for waste-type classification with real-time IoT monitoring.
- Used ESP32 sensors and WhatsApp alert system integrated with Firebase.
- Tech: ESP32, TensorFlow/Keras, Firebase, Google Maps API

Link - <https://bin-buddy-dashboard.vercel.app/>

CERTIFICATIONS

- Google Agentic AI Day Hackathon -
https://drive.google.com/file/d/1nxvokaTqOrtQj9bb1MuqxC8pid0b-zqX/view?usp=drive_link
- SunHacks – Asia's Largest Generative AI Hackathon
https://drive.google.com/file/d/1g88angvbvdSKkQd_SY6AJdiFb9OWjrYB/view?usp=drive_link
- Andhra University 'Build Bharat through AI' – Runner-up -
https://drive.google.com/file/d/1Ble0_ioc6Hf2EBTncGKNKTDJTNJxkCVM/view?usp=drive_link
- Hack Vortex – SRM University – 2nd Place -
https://drive.google.com/file/d/19OSsgYscSNkMaJni8DJvLs5NX6bO-pp8/view?usp=drive_link

SKILLS

- **Application Development:** React, Next.js, Node.js, Spring Boot, Firebase, MongoDB, SQL
- **Analytics & Visualization:** Power BI, Tableau, Data Modeling, Dashboards
- **AI/ML & Automation:** Python, TensorFlow/Keras, ONNX, NLP-based systems
- **Cloud & DevOps:** GCP, Vercel, Git, CI/CD practices
- **Project & Client Management:** SDLC, Agile, Delivery Ownership, Stakeholder Coordination
- **Government/Enterprise Exposure:** E-governance prototypes, consulting-style requirement handling
- **Other Skills:** Critical Thinking, Decision Making, Time Management

EDUCATION

- Hyderabad Institute of Technology and Management | Hyderabad | B.Tech Cse (AI&ML)
- Army public school Tezpur | Assam | 12th standard (PCM)