Gatik Yadav

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EDUCATION

Jaypee University of Engineering and Technology Aug 2023 – May 2027
Bachelor of Technology in Computer Science Engineering; CGPA: 6.8/10 *Guna, MP*

EXPERIENCE

Full Stack Developer Intern May 2025 – July 2025
CollegeTips.in *Bhopal, Madhya Pradesh*

- Developed and deployed a full-stack web application integrating an AI-powered multilingual chatbot.
- Designed conversational workflows covering **25+ digital literacy intents**, including WhatsApp usage and UPI payment apps.
- Achieved approximately **90% intent-matching accuracy** during controlled testing using structured NLP prompts.
- Optimized backend request handling to deliver chatbot responses in **under 1.2 seconds** on average.
- Implemented Hindi and English language support, improving accessibility for non-English users.

PROJECTS

Virtual Photo & Video Gallery App | *HTML5, CSS, JavaScript, Node.js, Express.js, MongoDB* May 2025

- Built and deployed a full-stack gallery application enabling user authentication, profile management, and secure media uploads.
- Designed a scalable backend using MongoDB, supporting **100+ images/videos per user** with structured metadata storage.
- Integrated Cloudinary for media hosting, achieving average upload times of **4–5 seconds** for files up to **10 MB**.
- Implemented **JWT-based authentication** and a secure email password-reset workflow using Nodemailer (Gmail SMTP).
- Enforced protected routes and server-side validation to ensure data integrity and application security.
- **Live:** virtual-gallery-app.vercel.app | **Code:** github.com/Gatik8205/Virtual-Gallery-App

Face Recognition System | *Python, OpenCV, Dlib* Nov 2025

- Developed a real-time face recognition system using computer vision and deep feature encoding techniques.
- Achieved approximately **92% face recognition accuracy** on a custom dataset of **200+ images across 20 identities**.
- Optimized the detection and recognition pipeline to identify faces in **under 1.5 seconds per frame**.
- Implemented known/unknown face classification, reducing false positives by **around 30%**.
- Supported real-time webcam processing at **15–20 FPS** under standard lighting conditions.
- **Code:** github.com/Gatik8205/smart_surveillance_system

TECHNICAL SKILLS

Languages: JavaScript (ES6+), Python, HTML5, CSS3
Frontend: React.js, Tailwind CSS, Responsive Design
Backend: Node.js, Express.js, JWT Authentication
Database: MongoDB
Tools: Git, GitHub, Postman, VS Code, Render, Vercel

CERTIFICATIONS & ACHIEVEMENTS

ISRO Certificate of Merit: Completed Space Science and Technology Awareness Training (START) program
Data Analytics Job Simulation (Deloitte): Completed a Deloitte job simulation involving data analysis and forensic technology
Supervised Machine Learning: Regression and Classification (Coursera)