

Pratyaksh Yadav

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Education

Artificial Intelligence Programming Assistant National Skill Training Institute Kanpur Trained in building intelligent assistants using NLP, transformers, and ML models for code generation, debugging, and smart suggestions. Hands-on experience with interactive API-based tools.	09/2024 – 08/2025 Kanpur, India
Bachelor's Degree CSJM University Kanpur Bachelor of Arts graduate with strong analytical, communication, and critical thinking skills. Proven ability to adapt in dynamic environments and contribute effectively to team goals.	2022 – 2025 Kanpur, India

Projects

AI Nutrition Chatbot with Multimodal Input Gemini-integrated chatbot with food image filtering and diet planning Created a chatbot using Gemini API that accepts input via text, image, and voice. Integrated a custom CNN model to verify nutrition-related images before processing. Offers meal plans based on user health data and evolves using feedback-based learning stored in JSON for personalization.	05/2025 – 07/2025
AI-Powered Virtual Assistant App A smart assistant with voice, face recognition, and contextual learning Developed a multimodal AI assistant that responds to voice commands and uses facial recognition for secure access. It incorporates speech-to-text, text-to-speech, OTP-secured login, and contextual behavior learning through reinforcement. User data is logged in CSV/JSON for continuous refinement.	05/2025 – 06/2025
Secure Facial Recognition Attendance System AI-based biometric attendance with spoof prevention and email alerts Built a real-time attendance system using FaceNet for recognition and deep learning-based liveness detection to block spoofing. Automatically marks attendance after 5 seconds of face presence, sends email alerts with photos for late entries, and stores all data securely in CSV format.	04/2025 – 05/2025

Skills

Artificial Intelligence	Web Development	Natural Language Processing (NLP)	Tools & Frameworks
<ul style="list-style-type: none">Deep Learning (CNN, Multi-Input Models)Liveness Detection & Anti-SpoofingFace Recognition (FaceNet, Cosine Similarity)Model Training & Evaluation (TensorFlow/Keras)	<ul style="list-style-type: none">Flask (Backend APIs)Streamlit (Data Apps)HTML, CSS (Basics for UI)Email-based Authentication Systems	<ul style="list-style-type: none">Google Translate APISpeech Recognition & Pronunciation FeedbackMultilingual ProcessingText Preprocessing & Tokenization	<ul style="list-style-type: none">OpenCV (Computer Vision)TensorFlow / Keras (Model Building)Git & GitHub (Version Control)Jupyter, VS Code (Development Environments)

Certificates

Self-initiated / Microsoft Learn Credential June 2025 Secure Storage Implementation Using Azure Blob and File Storage <ul style="list-style-type: none">Earned Microsoft certification for implementing secure storage solutions using Azure Blob and Azure File Storage.Demonstrated knowledge of role-based access control (RBAC), private endpoints, shared access signatures (SAS), and data encryption.Applied concepts in lab environments to secure cloud storage systems effectively.
Microsoft & LinkedIn Learning Career Essentials in Data Analysis <ul style="list-style-type: none">Completed: November 26, 2024 — Duration: 9 hours 13 minutesSkills Covered: Data Analysis, Data Visualization, Data Analytics