

# Vedika Gupta

## AI Engineer

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📍 Indore

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## PROFILE

AI Engineer & Data Scientist with 1.5+ years of experience in Computer Vision, Generative AI, and Conversational Agents. Built and deployed real-time systems including LLM-powered Q&A platforms (90%+ answer accuracy), vehicle and license plate recognition (YOLOv8 model with 92% precision), and customer support bots using Dialogflow and Voiceflow (automated 80%+ of FAQs). Proficient in Python, Hugging Face, PyTorch, SQL, and dashboarding with Power BI. Skilled in delivering scalable AI solutions with measurable business impact.

## SKILLS

### Coding Language

Python, SQL

### Machine Learning and AI

Scikit-learn, PyTorch, Hugging Face, LLMs, Generative AI, Retrieval-Augmented Generation (RAG), NLP, Speech - to - Text (STT), Text - to - Speech (TTS)

### Computer Vision and Data

OpenCV, YOLOv8, MediaPipe

### Web & Chatbots

Flask, FastAPI, Streamlit, Dialogflow, Voiceflow, Twilio, Meta API, Wati

### Data Tools

Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau

## EDUCATION

### Bachelor of Arts, Jiwaji University

2019 – 2022 | Gwalior, India

## PROFESSIONAL EXPERIENCE

### AI Developer,

*Technorizen Software Solutions Pvt. Ltd.*

09/2024 – Present | Indore, India

- **Voiceflow Chatbot:** Designed and deployed a **Voiceflow-based chatbot** automating 80%+ of customer queries, enhancing engagement and reducing response time.
- **Vehicle & License Plate Detection System:** Built a **dual-YOLOv8 + OCR model** for vehicle and license plate detection with **92% accuracy**, enabling real-time traffic violation logging.
- **WhatsApp Shift Management Bot:** Automated workforce scheduling via a **WhatsApp-web.js + FastAPI bot**, integrated with Google Sheets for real-time shift tracking, late arrival alerts, and manager-approved swaps.
- **AI TwinTalk Platform:** Developed a **GPT-powered TwinTalk assistant** featuring sentiment-aware responses, memory retention, avatar voice synthesis, and a Streamlit analytics dashboard, improving user retention by **40%**.
- **PDF Q&A System with Image Retrieval:** Built a **PDF-based Q&A system** using **Claude 3.5 Sonnet + RAG** architecture, achieving **90%+ accuracy** in answers with AWS Textract, S3, and image display via Streamlit.

### Data Scientist, *Saanvi Innovations Pvt. Ltd.*

09/2023 – 12/2023 | Gwalior, India

- Built and deployed machine learning models for **price prediction, product recommendation**, and **fraud detection**, boosting decision-making accuracy by **25–30%** in e-commerce and finance domains
- Preprocessed large-scale datasets and trained predictive models using **Python, Scikit-learn**, and **Pandas**; evaluated model performance using **business KPIs** and validation metrics (accuracy, precision, recall)

## LANGUAGES

- English
- Hindi

## CERTIFICATES

- Data Scientist certification (2024)
- Data Analytics certification (2024)