

Prachi Rath

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WORK EXPERIENCE

Krivy CO | AI Automation Intern

May 2025 – July 2025

- Built production-grade automation workflows using n8n, JavaScript, and REST APIs, enabling 10x faster content delivery through dynamic scripting, webhook logic, and Google Sheets integrations.
- Developed generative ad engine converting single product images into unique ad creatives within 5 minutes using AI APIs, replacing 2-3 hours of manual design work per campaign.
- Automated Klaviyo campaign reporting, reducing 20 hours/month of manual work to under 2 minutes for real-time performance tracking.
- Created voice agent for hiring process automation - handles end-to-end candidate communication, eliminating 5-8 hours of manual scheduling and screening calls per hire.

SKILLS

- **AI/ML:** LLMs (Gemini, GPT, Groq, Llama), LangChain, NLP, Prompt Engineering, ML/DL Frameworks
- **Data:** Vector Databases (FAISS, ChromaDB, Pinecone), MongoDB, MySQL, SQLite
- **Development:** Python (Primary), Flask, AWS, Docker, Git, Linux, C/C++
- **Automation:** n8n, MAKE, Relevance, API Design

PROJECTS

AssessmentAI | [GitHub Link](#)

- Built hybrid recommendation engine matching job descriptions assessments using TF-IDF, pattern matching and query expansion (68% Mean Recall@5).
- Implemented dual input system processing both text queries and job URLs with automated requirement extraction.
- Created responsive web application with real-time recommendations and detailed assessment metadata display.

Svar: Gujarati TTS Engine (In Progress) | [GitHub Link](#)

- Developing a Text-to-Speech (TTS) engine optimized for the Gujarati language, including custom grapheme-to-phoneme mapping and prosody modeling framework achieving 85% accuracy.
- Built initial concatenative synthesis prototype achieving phonetic accuracy; planning WaveNet architecture implementation with TensorFlow.

SentimentSync | [Github Link](#)

- Built full-stack chat analysis platform processing WhatsApp exports with React/Flask, generating response time matrices and user activity insights through interactive dashboards
- Engineered NLP pipeline using spaCy and Transformers for real-time sentiment analysis, emotion detection, and conversational pattern recognition
- Developed dynamic data visualization system with Plotly.js delivering interactive charts for activity timelines, user engagement metrics, and communication analytics.

VoiceCognition Detection | [GitHub Link](#)

- Implemented an end-to-end PoC pipeline using Python for unsupervised detection of cognitive decline indicators from voice features (acoustic & linguistic).
- Engineered hybrid features using Whisper, Librosa, NLTK; applied Isolation Forest/K-Means; built Streamlit UI for analysis & prediction on DementiaBank subset.

EDUCATION

FET - GLS University, Ahmedabad, Gujarat

B.Tech Computer Science and Engineering, Specialization in AI/ML

Percentage: 83% | Sem VI

Relevant Coursework: Machine Learning, Deep Learning, Recommender Systems, Natural Language Processing

ACHIEVEMENTS

Top 3 Finalist – CyberShadez (University Tech Fest)

- Secured top 3 position by pitching an innovative micro-savings application (React/Express/Firebase), showcasing technical and presentation skills.

Top 75 Finalist – Odoo x Charusat Hackathon

- Developed backend (Express.js) for the novel micro-savings application focused on financial inclusion.

Top 22 Selection – IIM Ahmedabad Hackathon

- Built an AI-powered data analyst tool (TypeScript) for CSV upload and interactive dashboard generation, focusing on system integration and AI insights.