

# Eresh Man Malakar

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## SUMMARY

I'm a motivated and enthusiastic aspiring developer who loves solving problems and learning new things. I'm excited to join a team where I can grow, share ideas, and help build useful and creative software.

## EXPERIENCE

### Connexica Technologies Pvt. Ltd.

Kathmandu

*Artificial Intelligence intern*

*Aug 2025 - Nov 2025*

- Worked on agentic AI workflows using n8n and API integrations.
- Developed and optimized backend logic for intelligent automation pipelines.
- Collaborated on AI-driven systems focusing on data flow, prompt engineering, and model interaction.

## PROJECTS

### Custom RAG backend API using FastAPI [Link](#)

*Python, FastAPI, Pinecone, Redis, SQLite, Langchain, Google Gemini API Key*

- Built a FastAPI backend with document ingestion (PDF/TXT), text extraction, chunking, and Pinecone-based vector storage with SQLite metadata.
- Developed a custom multi-turn RAG pipeline using Redis for chat memory and semantic retrieval.
- Added an interview booking module (name, email, date, time) with persistent storage and fully modular API design.

### College Management System [Link](#)

*Python, Django, HTML, CSS, JavaScript, SQLite*

- Built a College management system with user auth and registrations.
- Added features for attendance, course selections, student marking, staff appointing.

### Parkinson's Detection System [Link](#)

*Python, Flask, HTML, CSS, Bootstrap, SQLite, Tensorflow, Skit-learn, Librosa*

- Developed a system that can detect Parkinson's Disease in a person using their voice samples.
- Applied Short-Time Fourier Transformation for conversion of audio into spectrogram.
- Applied Convolution Neural Network for identifying patterns in the spectrogram.
- Applied Logistic Regression for classifying the symptoms.
- Combined result from CNN and Logistic Regression for identifying Parkinson positive or negative.

### Ecommerce Project [Link](#)

*JavaScript, React, MongoDB, NodeJs*

- Developed an ecommerce website using react and nodejs.
- Added features like add-to-cart, checkout, filtering.
- Added admin and user registration.
- Added admin-panel for managing the items.

### Automated Resume Screening System

*n8n, Python, OpenAI API, Google Sheets, NLP, PostgreSQL*

- Built an n8n-based workflow to automatically extract, analyze, and rank resumes using NLP and OpenAI models.
- Integrated Python scripts and Google Sheets for automated candidate scoring and shortlisting.
- Storing the candidates in PostgreSQL database.

## SKILLS AND INTEREST

- **Languages:** Python, JavaScript
- **Frameworks:** Django, FastAPI, React
- **Tools and Technologies:** n8n automation, OpenAI API, Langchain
- **Database:** MySQL, SQLite, Vector DB(Pinecone)
- **Soft Skills:** Communication, Team Work, Quick Learner & Self-Motivated

## EDUCATION

### New Summit College

Shantinagar, Kathmandu

BSC. Computer Science and Information Technology