# Yatendra Pachori

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## EDUCATION

**Jabalpur Engineering College**                                    **Oct 2022 – Present**
*B.Tech. in Information Technology*                         *Jabalpur, Madhya Pradesh*

- Relevant Coursework: Data Structures, Object-Oriented Programming, Database Management Systems, Algorithm Analysis, Operating Systems, Computer Networking

## TECHNICAL SKILLS

**Languages:** Python (ML, automation), C++ (DSA), SQL (DBMS)
**Libraries/Frameworks:** TensorFlow, Scikit-Learn, PyTorch, Pandas, NumPy
**Tools/Technologies:** Git, Docker, Linux, Jupyter, Django, Streamlit, HTML/CSS
**ML/AI Skills:** Supervised/Unsupervised Learning, CNNs, Feature Engineering, Neural Network
**Visualization:** Power BI, Matplotlib, Seaborn, MS Excel
**Generative AI:** LangChain, LLMs, AWS Integration

## PROJECTS

**Multi Assistant Web App** | *Django, Langchain, LLM API's*

- Built a **versatile assistant platform** that offers features like **search result summaries**, **YouTube video analysis**, and **coding assistance** using large language models (LLMs).
- Implemented secure login with **username and email**, allowing users to connect their own **Groq API key** — without storing it, ensuring full privacy.
- Integrated **Langchain** to work seamlessly with Groq's LLMs, delivering **fast, reliable, and context-aware responses** across all platform features.
- GitHub Repo

**Add Recipes Platform** | *Django, JavaScript*

- Developed a web application that allows users to **add, delete, and update recipes** within their personal profile.
- Enabled features for users to **share profiles**, explore **popular trending recipes**, and navigate through **organized recipe categories** with ease.
- Added an **AI-powered text generator** that writes appealing recipe summaries and descriptions automatically.
- GitHub Repo

**Detect Dark Patterns** | *Python, Jupyter Notebook, PyTorch*

- Built an **automated extension tool** to detect deceptive design tactics, known as **dark patterns**, in website UI/UX such as misleading prompts or forced consent.
- Fine-tuned a **BERT model** on a custom-labeled dataset of **3.5K dark pattern instances** for accurate classification and detection.
- The tool highlights deceptive segments in text to aid in user awareness and compliance reviews.
- GitHub Repo

## POSITIONS OF RESPONSIBILITY

**Kaarwaa.n Social Welfare Club**                                    **Jan 2023 – Present**
*Media Head*

**Google Developer Student Club (GDSC)**                         **Dec 2023 – June 2024**
*Cloud Member*

## ACHIEVEMENTS & LEADERSHIP

- Solved over **700+ problems** on **LeetCode** and **Codeforces** using C++ and SQL, demonstrating strong problem-solving skills.
- Ranked **25th out of 100+ teams** in CodeRumble 2.0, a competitive coding contest hosted by IIITDM Jabalpur.
- Lead organizer of **Parahar 2025**, the first coding contest at Jabalpur Engineering College with 30+ teams.

## CERTIFICATIONS

- Oracle Foundation Associate (Oracle) – Explored Oracle Architecture and Use Ai tools and LLM model.
- Generative AI (Udemy) – LangChain and LLMs with hands-on implementation of RAG and chatbot workflows.