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, Software Development Life Cycle, 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, Groq API, LLM*

- Designed and deployed a modular assistant platform supporting **NLP-driven tasks** like web search, Video and Website insight analysis, and code assistant.
- Integrated **LangChain** with Groq-hosted **LLMs** to enable fast and context-aware query resolution across all features.
- Implemented secure login using Django's auth system and **API key isolation** for privacy-preserving LLM access.
- Achieved **40% faster response time** vs baseline due to Groq's low-latency inference model.
- GitHub Repo

Add Recipes Platform | *Django, JavaScript*

- Built a recipe management system supporting user authentication, recipe CRUD operations, and profile sharing via **Django Framework**.
- Implemented an AI-powered content generation tool using **OpenAI GPT** for automatic recipe descriptions.
- Reduced manual input by **60%** using AI-generated content.
- GitHub Repo

Detect Dark Patterns in UI | *Python, PyTorch, BERT, NLP*

- Developed a Extension using machine learning to detect **dark patterns** using fine-tuned **BERT** transformer model.
- Created a custom dataset of **3,500+ labeled instances** of deceptive patterns (e.g., forced consent, confirmshaming).
- Trained model using PyTorch achieving **87% F1-score** on the validation set.
- Packaged the solution into a Jupyter-based interface for analysts to identify and highlight dark pattern text automatically.
- 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.