

# Komal Patankar

Pune, Maharashtra, India

Tel: +91 8087705940 | E-mail: komalpatankar14@gmail.com | LinkedIn

## PROFESSIONAL SUMMARY

A highly motivated third-year Computer Science and AI student with expertise in Artificial Intelligence, Web Development and UI/UX Design. Seeking an internship to apply technical skills in Data Science, Artificial intelligence and design innovation.

## EDUCATION

**BRACT's Vishwakarma Institute of Information Technology, Pune, India**

*B.Tech in Computer Science & Engineering( AI)*

**CGPA: 8.42**

*Nov 2022 - May 2024*

**Mauli college of Science**

*HSC*

**Score: 90.17%**

*May 2022*

**Bal Shivaji High School, Akola, India**

*SSC*

**Score : 94.60%**

*March 2020*

## SKILLS & TECHNOLOGIES

**Programming Languages** - Python, Java, HTML, CSS, JavaScript, Bootstrap, React

**Frameworks & Libraries** - Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, TensorFlow

**Data Management** - SQL, MongoDB

**Developers and Visualization Tool** - Tableau, Power BI, Kaggle, Google colab, Jupyter Notebook, Github

**Others** - Data Processing, Data Visualization, Generative AI, RAG, NLP, Prompt Engineering,

**Design Tools** - Figma, canva

**Languages** - English, Marathi, Hindi

## PROJECTS

Present **INSUREIQ : Multilingual LIC Insurance Chatbot using RAG and LLMs** [Github](#)

*(Python, LangChain, FAISS, Google Gemini API, Sentence Transformers, Streamlit, FastAPI)*

- Developed a multilingual LIC chatbot using **FAISS & Gemini LLM** for policy query support.
- Implemented **RAG pipeline** for document retrieval and accurate response generation.
- Built an interactive UI with **Streamlit** supporting **English, Hindi & Marathi**.

Present **Quizzical: An Adaptive Quiz Generator Website** (Figma, React.js, Tailwind CSS, Gemini API) [Prototype](#)

- Designed and prototyped an adaptive quiz platform using **Figma**, focusing on user-friendly workflows and responsive UI.
- Developed AI-powered quiz generation from documents and prompts using Gemini API and vector DB,
- enabling **personalized, adaptive learning**.  
Integrated real-time quiz features including **keyword-based generation, difficulty adjustment, quiz editing, and multi-user collaboration**.

04.2024 **Integrated Approach for Tomato Leaf Disease Detection, Fertilizer Application and Precautionary Measures**  
(CNN, AlexNet, InceptionV3)

- Model **detect diseases in tomato leaves** using **image processing** techniques.
- Integration of recommendation system that **suggests appropriate fertilizers** and **precautionary measures** based on detected plant disease.
- Achieved **99.21%** accuracy using **CNN, AlexNet** and **InceptionV3** for disease classification.

04.2024 **Smart-Learn E-Learning Website.** (HTML, CSS, Bootstrap, Javascript) [Prototype](#)

- User-friendly e-learning platform provides interactive lessons, structured course catalogs, and a responsive design using **HTML, CSS, Bootstrap** and **JavaScript** for an engaging learning experience.
- The platform includes **user authentication, an instructor application form & contact feature**.

## CERTIFICATIONS

**Basic Certificate Course In Artificial Intelligence, CDAC**

**Deep Learning with PyTorch, Infosys**

**Fundamentals of Deep Learning, NVIDIA**

**IBM DevOps and Software Engineering, Coursera**