HARSHAD PATIL

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SUMMARY

Aspiring Full stack Engineer with hands-on experience in LLMs, RAG pipelines, LangChain, vector databases, and end-to-end AI applications. Eager to apply my skills in a dynamic environment while contributing to organizational growth and advancing my professional development.

SKILLS

Languages: Python, Java, JavaScript
Frameworks: Flask, React.js, Express.js, Node.js
Technologies: REST APIs, Full Stack Development, Authentication (JWT), MVC Architecture
Development Tools: Docker, AWS, Git, GitHub
Databases: MySQL, MongoDB

EXPERIENCE

Race Tech Pvt. Ltd.   **Thane, India**
Embedded Engineer Intern   *March 2022 – June 2022*

- Assisted in developing power-control and transformer systems for in-house engineering projects.
- Contributed to prototyping and hardware testing, improving component validation and system stability.
- Performed wireframing, circuit assembly, and troubleshooting of microcontroller-based setups.
- Collaborated with senior engineers while following documented workflows and safety guidelines.

PROJECTS

PDF Chat Webapp

- Developed an AI-powered **RAG**-based web application for chatting with PDF documents using the **LLaMA-2** model.
- Integrated Google Translator **API** for multilingual PDF data translation.
- Tech Stack: Python, LangChain, FAISS, Streamlit, LLaMA-2 model, Google Translator API

Healthcare Website

- Built an AI-driven healthcare platform to provide insights based on patient medical records.
- Integrated multiple AI models for disease prediction and diagnosis recommendations.
- Tech Stack: Python, Hugging Face Models, HTML/CSS/JS

Fake Website Detector

- Created a system that detects fake websites by analysing URLs, enhancing security and user trust.
- Collaborated with team members to enhance system performance and UI, achieved 92% accuracy in detecting fake URLs.
- Tech Stack: Python, Pandas, HTML/CSS/JS

EDUCATION

Universal College of Engineering   **Mumbai, Maharashtra**
Bachelor of Engineering in Information Technology   *November 2022 – June 2025*

S. H. Jondhale Polytechnic   **Mumbai, Maharashtra**
Diploma in Electronics and Telecommunication Engineering   *August 2019 – July 2022*

CERTIFICATION

AWS Academy Graduate — AWS
JavaScript MERN Full Stack Training — Kamal Classes, May 2023