

Priya Raja

Dubai, UAE +971 565809793 priya.thevar89@gmail.com
linkedin.com/in/priya-raja-web github.com/Priya-raja medium.com/@priya.thevar89

PROFESSIONAL SUMMARY

Full Stack Developer and GenAI Engineer with 5+ years of experience shipping scalable, data-driven platforms. Currently transitioning to AI/ML engineering with hands-on experience building LLM-powered applications including RAG systems, semantic search, and agentic AI. Increased website traffic by **45%** and reduced reporting turnaround **60%** through optimized APIs and database-backed dashboards. Comfortable partnering with customers to understand needs and iterate on solutions. Deliver clean, testable, production-ready code across the full React–FastAPI–Python stack.

CORE COMPETENCIES

Frontend:	React, Next.js, TypeScript, HTML5, CSS3, Tailwind, Bootstrap, Redux Toolkit, D3.js
Backend:	Python, FastAPI, Flask, REST APIs, CRUD Operations, WebSockets, JWT Authentication
Database:	PostgreSQL, MySQL, MongoDB, SQLAlchemy, Vector Databases (FAISS), ChromaDB
LLM/AI Stack:	LangChain, RAG Pipelines, FAISS, Semantic Search, Prompt Engineering, Ollama, llamaIndex, GenAI Tools
ML/Data:	Pandas, NumPy, scikit-learn, TensorFlow, Embeddings, Vector DBs
Testing:	PyTest, Jest, TDD, Unit Testing
DevOps:	Docker, GitHub Actions, Vercel, AWS, GCP, CI/CD Pipelines
Methodologies:	Agile, Sprint Planning, Code Review, Version Control (Git, Bitbucket)

PROFESSIONAL EXPERIENCE

Excellence Driving School, Dubai, UAE	Jan 2023 – Sep 2025
<i>Full Stack Engineer</i>	
<ul style="list-style-type: none">Increased organic traffic by 45% through SEO-optimized Next.js pages integrated with Strapi CMS.Built 20+ reusable React/Tailwind components, cutting frontend bugs 25% and load time 30%.Automated CMS updates with Strapi workflows, reducing content turnaround 50%.Hardened app security with CSP, XSS sanitization, and Google reCAPTCHA—blocking 90%+ spam traffic.Engineered REST APIs with FastAPI, optimizing dashboard data delivery by 40%.Designed Python-based reporting system generating daily KPIs and visual insights; partnered with 4 department heads to iterate on requirements and deployment.Experimented with LangChain for intelligent query processing and data retrieval optimization.	
e-Zest Solutions, Pune, India (Remote)	Feb 2021 – Dec 2022
<i>Frontend Engineer</i>	
<ul style="list-style-type: none">Delivered D3.js dashboards for UNICEF data across 30+ countries, improving visualization usability 35%.Built React apps using Redux Toolkit & Material UI achieving full WCAG accessibility compliance.Localized WHO data portal into 5 languages, expanding global reach and adoption.Integrated .NET + SQL backends into React UI, improving API response times 25%.Collaborated closely with product and backend teams to gather requirements and deliver customer-focused solutions.	
Addteq Softwares(Startup New Jersey based), Pune, India	Dec 2012 – Feb 2014
<i>Junior Developer</i>	
<ul style="list-style-type: none">Automated build workflows with Groovy, boosting developer efficiency 20%.Migrated legacy static sites to dynamic jQuery templates, reducing manual update time 60%.Supported enterprise teams using Jira, Confluence, and Bitbucket for streamlined collaboration.	

AI & PROJECTS

AI-Powered Chrome Extension (Voice Translation) — Built bilingual speech-to-text translator with real-time transcription using Web Speech API and streaming. Integrated **Gemini API** for multi-lingual translation. Tech: React, FastAPI, WebSocket streaming, LLMs.

Semantic Search System with RAG — Implemented vector database (**FAISS**) with embeddings for semantic document retrieval. Built **RAG pipeline** for intelligent context retrieval and LLM-powered responses. Tech: Python, **LangChain**, FAISS, FastAPI.

Agentic AI Systems (In Progress) — Building autonomous agents with tool calling, multi-step reasoning, and memory. Learning through The School of AI Agentic AI program—focus on practical RAG pipelines, autonomous agents, and MCP integration.

Data Analytics Dashboard (FastAPI & SQL) — Built analytics engine using FastAPI, SQLAlchemy, and PostgreSQL to generate real-time dashboards and business insights for management.

EDUCATION

Bachelor's Degree in Information Technology — Pune University, India (2012)

Applied Data Science with Python Specialization — Coursera (2025)

Agentic AI Program — The School of AI (Ongoing): Practical RAG pipelines, autonomous agents, MCP integration.

ACHIEVEMENTS

- Best Performer Award (2024) — Excellence Driving School.
- Client Appreciation — e-Zest Solutions (UNICEF & WHO projects).
- Published blogs on Frontend Development, Data Structures, and GenAI Systems on Medium.
- Hackathon participant — built production-grade AI and automation prototypes.