

# 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

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

## PROFESSIONAL EXPERIENCE

**Excellence Driving School, Dubai, UAE** Jan 2023 – Sep 2025  
*Full Stack Engineer*

- 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  
*Frontend Engineer*

- 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 NewJersey based), Pune, India** Dec 2012 – Feb 2014  
*Junior Developer*

- 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

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**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

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**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

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- 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.