

# Dev Phadke

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## Professional Summary

**Master's-educated AI Engineer** focused on building agentic AI systems and RAG-powered applications for document intelligence and automation. Experienced across the full development lifecycle, from leveraging Azure OpenAI, Groq, and LangChain to deploying scalable, user-facing products using FastAPI, React, Redis, and cloud platforms. Combines strong backend engineering with product-focused development and foundational CI/CD practices to deliver reliable, end-to-end AI solutions.

## Work Experience

**Developer & AI Consultant** – Sundeus.ai Solutions LLP Oct 2023 – Aug 2025 | Remote - Glasgow

- Engineered a multi-turn Azure chatbot with contextual session memory, reducing manual workflow time by ~30% by automating client communication and internal data retrieval.
- Integrated Azure OpenAI chatbot with WhatsApp API and Redis-based session storage, boosting conversation persistence reliability by ~40% and improving user retention.
- Built and deployed a Python/Streamlit RAG system leveraging LangChain and vector databases, cutting document search latency from 3–5 minutes to under 10 seconds.
- Mentored and guided a team of 4 interns through weekly sprints and code reviews, raising delivery efficiency by 25% and establishing modular coding standards.
- Technologies: Azure OpenAI, LangChain, Redis, Streamlit, Python, Azure Web Apps

## Education

**University of Glasgow (UK)** – UK Dec 2023

Master's in Computing Science

Upper Second-Class Honours (2:1)

**Pune University - MIT World Peace University (India)** – India Jul 2022

B.Sc. in Computer Science

First Class

## Skills

**Languages & Frameworks:** Python, JavaScript, FastAPI, Streamlit, HTML, CSS, React

**AI / ML Tools:** OpenAI API (GPT), LangChain, RAG architecture, TensorFlow, PyTorch, scikit-learn, NLTK, spaCy, Groq API

**Cloud & DevOps:** Azure (Bot Service, Cognitive Services, Web Apps), Redis, MySQL, Git, GitHub, AWS (S3)

**Methodologies:** Agile (Scrum), CI/CD Basics, Mentorship, Critical Thinking, Problem Solving

**Web & Product Engineering:** JWT Authentication, REST APIs, TailwindCSS

## Projects

**LifeQuest AI – Gamified Self-Improvement App** November 2025 – December 2025

- Built a full-stack gamified productivity application**, enabling users to convert long-term goals into XP-based quests with progress tracking, reflections, and completion summaries using React, FastAPI, and JWT authentication.
- Integrated Groq-powered AI for goal decomposition and step generation**, improving user engagement by structuring tasks with difficulty levels, timelines, and a leveling system; deployed on AWS S3.

**AppTracker** October 2025 – November 2025

- Developed a cloud-based job application tracking platform with user authentication, analytics dashboards, and timeline visualization.
- Hosted on AWS EC2 with CI/CD integration to demonstrate backend scalability and deployment

**Generative AI Document Assistant (RAG + OpenAI)**

- Built a document QA app with real-time vector search using RAG, OpenAI embeddings, and Streamlit UI.

**Real-Time Posture Analysis System (OpenCV + OpenPose)**

- Developed a posture detection pipeline for physiotherapy applications.

**Heart Disease Prediction Model (scikit-learn)**

- Designed a classification model achieving 85% accuracy on UCI dataset with full preprocessing and EDA.

**Languages**

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English (Fluent), Hindi (Native)