

Prasad Rajendra Darekar

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WORK EXPERIENCE

WOTR, Pune Software Developer Intern (on-site) Jun 2024 - Dec 2024

- Designed and implemented core backend modules for an **AI-powered chatbot** for Indian farmers, leveraging **OpenAI** and **LangChain**, including document extraction and retrieval pipelines for domain-specific agricultural knowledge.
- Collaborated with senior researchers to translate weather models and agricultural research into automated irrigation and farm advisory modules, improving accessibility of scientific insights for rural communities.
- Built context-aware conversational flows and integrated weather + crop-specific datasets to enhance personalization and accuracy of responses.
- Developed **data pipelines** for **Google Analytics 4 (GA4)** to support the design of a future recommendation system, ensuring localized and structured data for AI training and evaluation.
- Analyzed user data from the [Farm Precise](#) android app and provided insights to support key decisions
- Conducted field visits, baseline surveys, and farmer interviews to assess adoption potential, local needs, and usability of the chatbot, ensuring solutions were culturally and linguistically relevant.

PROJECTS

Google Play Developer Profile

WhatsApp Stickers Android App 60K + downloads (4.5 rating) Oct 2023

- Meme based WhatsApp Sticker application provides user with funny and personalised sticker packs
- Created custom stickers using photoshop, implemented [WhatsApp Sticker API](#) and designed a simple UI for users to browse and add sticker packs directly to WhatsApp.

Image Compressor Android App Jan 2025

- Offline android utility application to compress images by target file-size (MB/KB), Support for JPEG, PNG, and WEBP formats with a strong quality-to-size ratio, accurate and fast compression.
- Designed and developed the entire app, including the compression logic using Android's Bitmap compress, while ensuring full offline functionality.

LWME Android App Dec 2024

- An educational app offering students to prepare and practice for competitive exams
- Built the complete app from scratch, including backend logic, UI/UX design, and quiz flow for a smooth and engaging user experience.

TECHNICAL SKILLS

Programming Language - Python | **AI** – OpenAI, Langchain, RAG
Framework - Flask
Android - Java, Flutter, Android SDK, UI/UX, XML, JSON
Database - MySQL, MongoDB
Cloud - AWS
Version Control - Git
Web - HTML, CSS
Tools / Others - WordPress, Admob, GA4, Firebase, Figma

EDUCATION

B.Tech in Data Science	8.66 CGPA	Dec 2022 - Jun 2025
GH Rasoni College of Engineering and Management, Pune		
Diploma in Computer Engineering	85.54 %	Aug 2019 - Nov 2022
AISSMS Polytechnic, Pune		
Secondary Education	83.60 %	Jun 2018 - Mar 2019
AISSMS Day School, Pune		