

Ismile Bharmal

Software Engineer

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PROFESSIONAL SUMMARY

Dynamic and results-oriented Software Engineer with 2+ years of experience in Flutter development and AI/ML applications. Skilled in building scalable mobile and web solutions using Flutter and Python frameworks, with hands-on expertise in deploying AI-powered applications.

TECHNICAL SKILLS

Programming Languages: Dart, Java, Python, HTML5, PHP | **Frameworks:** Flutter, LangChain, FastAPI, StreamLit, ChainLit, YOLOv11, AR Core | **Frontend:** Flutter Web | **Backend:** FastAPI, StreamLit | **Tools:** Git, GitLab, Figma, Postman, Android Studio, VS Code | **Databases:** MySQL, SQLite, Firebase, PostgreSQL | **Platforms:** Android, Firebase Hosting, Windows, Ubuntu, macOS | **Library:** LangGraph, LangSmith, Azure AI, ARIMA, SARIMA, Prophet | **Others:** AI/ML applications, Product management

PROFESSIONAL EXPERIENCE (2+ Years)

Software Engineer | Jan 2023 - Present

BiztechCS | Ahmedabad

- Designed and developed multiple AI-powered proof-of-concept applications, leveraging tools like LangChain and YOLOv11.
- Led the development of DeskXpand from scratch, implementing Flutter-based architecture and Firebase integration.
- Integrated Firebase modules for chat functionalities and user management systems, improving app responsiveness.
- Utilized Magento, Odoo, and AI prompt engineering tools to deliver innovative solutions.

AI Workshop Facilitator | Mar 2025 - Mar 2025

SVG University | Ahmedabad

- Conducted the 'AI in Action' workshop, showcasing real-world AI tools such as LangChain, LangGraph, and Prompt Engineering.
- Guided students in deploying ML applications, enhancing their practical understanding of AI tools and improving productivity.

AI Workshop Facilitator | Sept 2025 - Sept 2025

Gujarat University, School of Emerging Science & Technology (SESTECH) | Ahmedabad

- Conducted the 'Exploring OpenAI Tools' workshop, introducing PG AIML & Data Science students to Generative AI and Prompt Engineering.
- Demonstrated real-world applications with **ChatGPT, DALL·E, Whisper, Assistants API, NotebookLM, Perplexity, and H2O AutoML**, along with live RAG workflows.
- Engaged students in **hands-on activities and demos**, strengthening their research capabilities and practical understanding of cutting-edge AI tools.

PROJECTS

Object Detection and Replacement System |

- Refactored detection algorithms, improving object identification accuracy by **92%**.

Time Series Analysis

- Optimized model performance, reducing prediction errors by **85 %**.

Model Agnostic Chatbot

- Enhanced response accuracy by **95%** through improved embedding techniques.

DeskXpand

- Implemented end-to-end authentication and Firebase integration, reducing user onboarding time.

MappyField365

- Improved notification delivery speeds using optimized Firebase Firestore queries.

EDUCATION

Master of Computer Application (M.C.A) | 2023

Shri Chimanbhai Patel Institute | *Ahmedabad, Gujarat*

Bachelor of Computer Application (B.C.A) | 2021

Saint Xavier College | *Ahmedabad, Gujarat*

ACHIEVEMENTS

- Delivered hands-on AI/ML workshops at SVG University, mentoring students on prompt engineering and LangChain tooling.
- Admin at WeCBR community, fostering collaboration among tech enthusiasts.
- Winner of Karate, Debate, and Typing competitions.
- Participated in seminars, paper presentations, and workshops to stay updated with industry trends.
- Worked as Interviewer at Aashman Foundation and Data Transcriber at Awign.

LANGUAGES

- Gujarati
- Hindi
- English
- Urdu
- Arabic