MIHIR MISRAN

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PROFESSIONAL SUMMARY

Computer Science Engineering student with internship experience in full-stack platform migration and mobile development, plus hands-on work building AI-powered systems. Experienced with local LLMs, Django backends, retrieval pipelines, offline-first architectures, and modern application development.

EDUCATION

B.E. in Computer Science Engineering - Adhichunchanagiri Institute of Technology, Chikmagalur (VTU) | 2024 - 2028

Pre-University Course (PUC) - K.L.E Society's Jagadguru Tontadarya College, Gadag

Class X (ICSE) - Vinay Chikkatti ICSE School, Gadag

EXPERIENCE

Capulus Technologies Private Limited - Software Engineering Intern, Web Application Development

Oct 2025 - Apr 2026

- Worked on UniSphere, a full-stack campus collaboration platform with announcements, events, lost & found, resource sharing, real-time chat, and role-based authentication.
- Migrated the backend from PHP to Groovy and Grails as part of a full platform redesign and contributed to the mobile application.
  Tech: Groovy, Grails, PHP

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, Groovy

Web & Backend: Django, Django REST Framework (DRF), Grails, PHP, HTML, CSS, Tailwind CSS

AI & ML: LLM APIs (Gemini, Hugging Face Transformers), Ollama, Qwen, Vosk, ONNX Runtime, Vector Search, OCR

Databases: MySQL, SQLite

Tools & Infrastructure: Git, GitHub, VS Code, Celery, Redis, GitLab

PROJECTS

ORBIS - Offline AI Learning Platform

- Built an offline-first bilingual AI learning platform for Grades 1-10 with local tutoring, quizzes, flashcards, weak-concept analysis, progress analytics, and mentor insights.
- Implemented grounded local retrieval, voice interaction, focus-mode feedback, .orbis packages, and chunked/resumable content synchronization for low-connectivity environments.
  Tech: React, TypeScript, Django, DRF, SQLite, Qwen2.5, llama.cpp, Whisper, Piper TTS, FAISS, Tailwind CSS

Alfred - Autonomous Local AI Assistant

- Built a privacy-first local AI assistant designed to run without cloud inference or external AI services.
- Integrated local LLM inference, speech-to-text, semantic search, document retrieval, and automation workflows for multi-step tasks.
  Tech: Python, Ollama, Qwen, Vosk, ONNX Runtime, Vector Search

FounderOS - AI Startup Validation Platform

- Built an AI platform for startup idea validation using market research, competitor analysis, risk assessment, and structured insights.
- Added OCR-based document processing and asynchronous analysis pipelines using Celery and Redis within a modular Django backend.
  Tech: Python, Django, DRF, SQLite, Tailwind CSS, Celery, Redis, Gemini API, Hugging Face Transformers

NGO Management Platform

- Built a full-stack NGO management system for digital memberships, volunteer coordination, events, and administrative workflows.
- Implemented QR-based event attendance, automated certificate generation, and role-based dashboards for administrators and volunteers.
  Tech: Django, Python, HTML, CSS, Tailwind CSS, SQLite

LEADERSHIP & VOLUNTEER EXPERIENCE

Aarohana Foundation - PR Head, PR & Media Team

- Lead the PR & Media Team for a youth-driven non-profit and coordinated content planning.
- Authored the "Run & Rally" content strategy covering event flow, reel concepts, and social media planning.

ACHIEVEMENTS & INTERESTS

Achievements: Winner - Smart India Hackathon 2026 Internal Hackathon, State Level Basketball Player, Black Belt in Karate

Interests: Startup Product Development, Full-Stack Engineering, AI Applications, Cybersecurity