



# Kshitij Moghe

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 kshitij-moghe

 Kshitij-0710

## SUMMARY

Full-stack developer experienced in Django, React, and Flutter for production applications. Familiar with cloud platforms and DevOps workflows while building scalable systems that integrate AI/ML components. Technical contributions helped acquire enterprise clients. Completing B.Tech in CSE with focus on practical development skills.

## SKILLS

- Frontend: Flutter, ReactJS, HTML/CSS
- Backend: Django, Node.js, Express.js
- Languages: Python, Rust, Javascript
- Databases: PostgreSQL, MongoDB, MySQL, Supabase
- Cloud Platforms: AWS, Google Cloud, Hetzner
- Containerization: Docker, Kubernetes
- Infrastructure: Kamal Script, akcryptoguy Script (VPS Hardening & Automation)

## WORK EXPERIENCE

### Journal of Me

10/2024 - 12/2024

Software Development Engineer (SDE) Intern

- Developed a cross-platform journaling app using Django REST Framework backend and Flutter frontend with AWS integration (S3, RDS, EC2), enabling users to record and transcribe personal thoughts into text entries
- Implemented AI-powered "People in My Life" feature using GPT-4o API Key with function calling to automatically extract relationships from transcriptions and create structured person profiles
- Engineered intelligent content processing pipeline that segments voice recordings, filters relationship mentions, and organizes personal data into categorized journal entries with relationship mapping
- Configured production deployment on Hetzner Cloud with two servers: one converted into a dedicated Postgres database server via Pigsty, and the other hosting source code deployed using Kamal from local

### Opmaint

01/2025 - 06/2025

Software Development Engineer (SDE) Intern

- Independently developed complete parts and inventory system within enterprise CMMS platform, delivering critical functionality that helped secure 2 new enterprise clients
- Applied features across work order, meter reading, and inventory modules, developing responsive UI in Flutter and optimizing backend APIs in Django
- Managed DevOps workflows using Docker, AWS (EC2, S3, RDS), and GitHub Actions for CI/CD, reducing post-merge bugs by 35% - 40% through automated PR testing
- Organized real-time communication infrastructure using Firebase Chat and FCM push notification service, enabling instant updates and seamless user communication across the platform

## PROJECTS

### SpyGlass: Encrypted Self-Destructing Notes

02/2025

- Developed a full-stack encrypted note-sharing platform with Flutter frontend and Django backend, ensuring 99.9% data confidentiality via client-side AES256 encryption
- Enforced self-destructing links and time-based expiry features, reducing sensitive data exposure risk by over 80% compared to traditional messaging apps
- Integrated IP logging and rate limiting, preventing abuse and enhancing system security, resulting in a 30% decrease in unauthorized access attempts
- Integrated Gemini API for context-aware security recommendations based on content sensitivity analysis

### The OLM-OCR Data Extraction Tool

07/2025

- Built a web platform data extraction tool using Flutter + FastAPI, achieving 95% accuracy in extracting names, dates, and addresses from PDFs and images via OlmOCR
- Integrated Qwen LLM for parsing extracted content into structured JSON, improving data formatting precision by 90% compared to baseline OCR outputs
- Added export functionality to download extracted content as CSV (tables), JSON (structured data), and TXT (raw text), enhancing data portability and usability
- Engineered a custom interactive Flutter widget to visualize the extraction pipeline (Input - Processing - Output), reducing debugging time by 30%

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## EDUCATION

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**Woxsen University**  
Bachelor of Technology - 3.2/4

October 2022 - April 2026

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## CERTIFICATE

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- CS50: Introduction to Computer Science**
  - Harvard University
- Cloud Virtualization, Containers and APIs**
  - Duke University (Coursera)
- Operating Systems and Fundamentals**
  - Akamai Technologies (Coursera)
- Data Structures and Algorithms**
  - University of California San Diego (Coursera)

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## LANGUAGE

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**English** Fluent

**Hindi** Fluent