

# YUKTI KAJAL DOSHI

## CONTACT

+91 9987990593  
yuktidoshi@gmail.com  
linkedin.com-yukti  
yukti-website

## PROFILE SUMMARY

Software Engineer with experience building and scaling backend systems and cloud-native applications, delivering production-ready platforms end-to-end. Proficient in Python, Django, PostgreSQL, and AWS (EKS, Docker, CI/CD), with working knowledge of React/Next.js for full-stack development. Demonstrated ability to design reliable APIs, optimize data pipelines, and deploy services at scale while collaborating across global teams. Holds an MS in Computer Science (University at Buffalo), with hands-on experience across applied AI, NLP, computer vision, and real-time systems.

## EDUCATION

2019 - 2023

D. J. SANGHVI COLLEGE  
OF ENGINEERING

- B.Tech Electronics and Telecommunication
- GPA: 8.99 / 10

2023 - 2025

UNIVERSITY AT BUFFALO

- MS in Computer Science and engineering
- GPA: 3.8 / 4.0

## SKILLS

- Programming:** Python, JavaScript, C/C++, R, HTML, CSS
- Frameworks & Tools:** Flask, Django, REST APIs, WebSockets, Docker, React.js, Next.js
- Databases & Cloud:** PostgreSQL, MySQL, SQLite, AWS (EKS, Kubernetes, Cloudflare)
- Tools:** Tableau, Power BI, MS Office
- AI/ML:** NLP, Deep Learning, Computer Vision, PyTorch, TensorFlow, Scikit-learn
- Version Control:** Git, GitHub, Bitbuckets
- Operating Systems:** Windows, macOS
- Project management:** Asana, JIRA, Clickup

## WORK EXPERIENCE

CrowdDoing, Software engineer

FEB 2025 - PRESENT

- Led backend development and infrastructure reliability for **Imagi-Nation** a global mentoring and learning platform using **Python, Django**, and **Wagtail CMS** with **PostgreSQL** as the core database.
- Developed and maintained **REST APIs**, model logic, and admin modules, supporting mentor onboarding, course publishing, and student engagement across production and staging environments.
- Configured **AWS EKS clusters** for staging and production, managing deployments, namespaces, secrets, IAM roles, and node upgrades achieving **98% uptime** and zero-downtime rolling updates.
- Automated deployments via Bitbucket Pipelines with Docker multi-stage builds, integrating **S3 media sync**, database migrations, and static asset collection for both **Next.js** frontend and Django backend services.
- Debugged and optimized Wagtail CMS features, including image rendition failures, rich-text custom blocks, and **role-specific dashboards** for mentors, volunteers, and learners to reduce the computational resources used by ~10%.
- Collaborated with global contributors (U.S., Africa, and Australia) in **Agile sprints** to triage bugs, test new features, and coordinate pull requests for stable rollout on the AIME staging and production sites.
- Enhanced developer workflows by documenting environment setup, **Docker configurations**, and **EKS access scripts**, reducing onboarding time for new contributors by 60%.

Copani LLC, Software Development Intern

JUN 2024 - SEP 2024

- Designed and built backend services to support ML-powered **NLP chatbots** and computer vision workflows using TensorFlow/Keras, **scalable pipelines** for generating 3D meshes from 2D design inputs.
- Implemented a server-side dynamic clarification module that intelligently triggered follow-up questions, reducing issue **resolution time by 15%** and lowering manual support **workload by 25%**.
- Developed and integrated APIs to orchestrate **model inference**, **data preprocessing**, and response generation, ensuring reliable performance and clean separation between ML logic and application services.
- Collaborated with product, ML, and customer support teams to streamline end-to-end customer services.

Phemesoftware Pvt Ltd, Python Developer Intern

JULY 2022 - SEP 2022

- Built a backend **OCR-based** expense digitization system using Django and EasyOCR, automating receipt ingestion and extraction workflows with ~80% recognition accuracy.
- Designed and optimized a **PostgreSQL-backed data pipeline** for validation, normalization, and storage of extracted data, reducing manual entry errors by 50% and significantly accelerating expense reporting.

## PROJECT

Real-Time Surveillance System, [github](#)

- Created an end-to-end surveillance system with **YOLOv8**, **DeepSORT**, and **MULDE**, achieving **92% tracking** and **87% crime detection**.
- Delivered live-stream integration with **Flask** and **WebSockets**, reducing incident response time.

QuickGPT - Lightweight AI Chat Interface, [github](#)

- Created a Chrome extension powered by **Falcon 7B** to summarize webpage content using custom **prompt engineering** and **LLM integration**.
- Streamlined knowledge extraction for users, reducing reading time by over **50% on average**.

GenAI Agents - Interactive Language Simulator, [github](#)

- Designed and implemented a multi-agent language learning backend on genai-agentos, architected around a Master Agent responsible for orchestrating cultural, linguistic, and speech mentor sub-agents.
- Built modular Python-based agent communication pipelines to handle message routing, shared context propagation, and scenario state management, enabling real-time coordination across agents.
- Developed extensible sub-agent services for dialogue generation, grammar feedback, and cultural insights, supporting structured learning flows such as beginner-level conversational Hindi.