

Komal Kasat

Mumbai, Maharashtra, India

komalkasat74653@gmail.com — +91-9420582836

linkedin.com/in/komal-kasat — github.com/Komalkasat09

Education

SVKM's Dwarkadas J. Sanghvi College of Engineering , Mumbai	2023–2027
B.Tech. in Artificial Intelligence & Data Science	CGPA: 8.42 (Sem 1–5)
DNCVP's College of Science and Commerce , Jalgaon	2021–2023
Higher Secondary Certificate (Science)	
Rustomjie International School , Jalgaon	2021
Secondary School Certificate	

Experience / Leadership

Web Development Mentor, Infomatrix Student Chapter	Aug 2025 – Present
DJ Sanghvi College of Engineering	
<ul style="list-style-type: none">Mentored students in React, Next.js, and REST APIs through hands-on sessions, code reviews, and project guidance.Led technical planning for events and coding sprints, emphasizing clean architecture and scalable UI design.	
Creatives Head, NSDC Committee	Aug 2025 – Present
DJ Sanghvi College of Engineering	
<ul style="list-style-type: none">Headed design and development of digital assets and event pages while coordinating branding across teams.	
Co-Committee Member, SigAI	Aug 2024 – Present
DJ Sanghvi College of Engineering	
<ul style="list-style-type: none">Organized AI/ML workshops and hackathons; supported content curation and technical logistics.	

Projects

SkillSphere – Smart Career Guidance Platform	Next.js, FastAPI, MongoDB
<ul style="list-style-type: none">Built an AI-powered career platform with resume generation, real-time previews, PDF export, and interview preparation.Implemented multi-step forms, customizable templates, progress saving, and AI-driven interview feedback.	
AI-Driven Internship Finder	Next.js, ML, Tailwind
<ul style="list-style-type: none">Developed an internship recommendation system using skill-based matching, resume analysis, and AI ranking.Integrated external APIs with dashboards for tracking and filtering real-time opportunities.	
Misinformation Detection Platform	Agentic AI, FastAPI, MongoDB
<ul style="list-style-type: none">Designed a 20+ agent pipeline for fake news and deepfake detection with trend analysis and credibility scoring.Built a WhatsApp fact-checking bot and real-time global visualization using a 3D globe interface.	
AI-Powered Sign Language Translator	Next.js, FastAPI, ML
<ul style="list-style-type: none">Built real-time sign-to-text, text-to-sign, and speech-to-sign translation with live transcripts.Added AI calling agent, learning modules, and quizzes for inclusive communication.	

Research

Interpretable Physics Reasoning in Vision-Language Models	Aug 2025 – Oct 2025
arXiv:2509.08270 — Hugging Face Papers	
<ul style="list-style-type: none">Proposed a taxonomy for physics reasoning performance; analyzed interpretability and failure modes.	

Achievements

2x Hackathon Winner — Team Lead and Full-Stack Developer

Technical Skills

Languages: Python, C, JavaScript, SQL
Web/Backend: React.js, Next.js, Node.js, FastAPI, REST APIs
AI/ML: ML, DL, Generative AI, Agentic AI
Databases/Tools: MongoDB, MySQL, SQLite, Git, GitHub, Figma, Tailwind, shadcn/ui

Certifications

HTML/CSS/Bootstrap (Static & Dynamic) — NextWave — Micro-Internship — Goldman Sachs — SQLite — NextWave — Machine Learning — Unacademy