

Aarth Akshay Shah

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CAREER OBJECTIVE

Currently studying B.Tech in Computer Science (AI & ML) with hands-on experience in Python, LangChain, Retrieval-Augmented Generation (RAG), AI automation, SQL and TensorFlow. I enjoy building AI applications to solve everyday challenges and am always eager to learn new technologies. Looking for a chance to contribute, improve my skills and make impactful AI products.

EDUCATION

B.Tech – Computer Science (AI & ML) <i>D.K.T.E. Society's Textile and Engineering Institute, Ichalkaranji, Maharashtra CGPA: 7.76</i>	2023 – 2027
Class XII – CBSE <i>Sanjay Ghodawat Junior College, Kolhapur, Maharashtra 65%</i>	2022 – 2023
Class X – CBSE <i>Sanjay Ghodawat International School (SGIS), Kolhapur, Maharashtra 62%</i>	2020 – 2021

SKILLS

Programming Languages: Python, Java, C++, C

AI & Machine Learning: LangChain, Retrieval-Augmented Generation (RAG), NLP, Prompt Engineering, Scikit-learn, Pandas, NumPy, TensorFlow

Database: SQL

Tools & Platforms: n8n, Git, AWS, Microsoft Azure

Core Concepts: Data Structures & Algorithms, Object-Oriented Programming

WORK EXPERIENCE

Generative AI Developer Intern, Yukti Yantra, Kolhapur, Maharashtra **March 2026 – September 2026**

- Developed a Python automation pipeline that uses REST APIs and LLMs to convert YouTube video content into LinkedIn posts, reducing content production time by 80%.
- Created an automated client messaging system that sends reminders and promotional offers based on client data, saving over 5 hours of manual follow-up work weekly.
- Automated core business workflows using n8n and Microsoft Azure, resulting in faster and more consistent day to day operations.

President **January 2024 – January 2026**

Idea Creation Club (ICC), D.K.T.E. Society's Textile and Engineering Institute

- Led 3 technical events and hackathons for 100+ students, helping build a culture of hands-on learning and peer collaboration.

PROJECTS

OBSIDIAN – RAG Chatbot *Python, LangChain, RAG, Selenium*

- Built a RAG-based chatbot that fetches live data from the Sunbeam website and generates source-grounded responses. Achieved 90%+ relevance in responses and reduced outdated/fabricated responses.

RUBY – AI Voice Assistant *Python, LangChain, Speech Recognition, OS*

- Built a voice-controlled accessibility assistant that enables users to launch applications and browse files without using their hands, making everyday computer tasks easier for individuals with limited mobility.

FORGE – AI Proposal Generator *n8n, HTML-to-PDF, SMTP*

- Built a conversational AI tool to automatically collect client requirements, estimate project costs, and generate proposal documents to accelerate the process of scoping and quoting new projects
- Included automatic email delivery of generated proposals, reducing manual effort in sharing files with clients.

CERTIFICATIONS

- Generative AI Course – Sunbeam Institute, Pune, Maharashtra (December 2025 – January 2026)
- AI NEXUS 2025 Hackathon – Winner, Walchand College of Engineering
- Shortlisted Project, DIPEX 2026
- Prompt Design in Vertex AI – Skill Badge, Google