AKSHATA NALAWADE

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PROFESSIONAL SUMMARY

Electronics and Computer Science engineering student with hands-on experience in full-stack development, applied machine learning, and conversational AI. Built House Muse, an AI interior design platform using React, Django REST Framework, Flask, and Stable Diffusion, and delivered a lead-handling chatbot on Zoho SalesIQ with decision-tree logic and workflow automation. Comfortable with Python, JavaScript, SQL, REST APIs, computer vision, and Linux/cloud fundamentals.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, HTML5, CSS3
Frontend: React, Vite, Tailwind CSS, Responsive UI Design,FIgma
Backend & APIs: Node.js, Django, Django REST Framework, Flask, RESTful APIs, Token Authentication, Google OAuth
Databases: PostgreSQL, SQLite, SQL
AI / ML & Computer Vision: CNN, KNN, YOLOv8, OpenCV, MediaPipe, Stable Diffusion (SDXL, ControlNet), K-Means, Pandas, NumPy
Cloud & DevOps: Cloud Computing, Linux, Deployment, Hugging Face Spaces
Tools & Platforms: Git, GitHub, Jupyter Notebook, Google Colab, Zoho SalesIQ

EDUCATION

Vidyalankar Institute of Technology *Aug 2023 – Aug 2027*
B.Tech in Electronics and Computer Science | Avg. GPA till Sem V: 7.61
Guru Nanak Khalsa College of Arts, Science & Commerce | Maharashtra State Board (HSC) 75.50%
IES V. N. Sule Guruji English Medium High School | Maharashtra State Board (SSC) 72.40%

KEY PROJECTS

AI Chatbot Development – Trinetrini Quantum (Zoho SalesIQ)

- Built a conversion-focused chatbot for website automation and lead handling on Zoho SalesIQ.
- Mapped user intents and designed decision-tree conversation flows to guide visitors through common queries.
- Handled Zoho integration, workflow automation, testing, and deployment.
- Structured user interaction handling to cut repetitive manual responses and improve automation efficiency.

Tech: *Zoho SalesIQ, Conversational AI, Workflow Automation, Decision-Tree Logic, JavaScript*

House Muse – AI Interior Design Platform

- Built a full-stack platform that turns a room photo into a photorealistic redesign while keeping walls, windows, and layout intact, using SDXL with Depth ControlNet and style LoRAs.
- Designed a three-service architecture: React + TypeScript frontend, Django REST backend with token auth and Google OAuth, and a Flask ML microservice.
- Implemented a vision pipeline (YOLOv8, SAM, CLIP, K-Means) for object detection, room-type classification, lighting analysis, and colour palette extraction.
- Added catalog-based budget breakdowns in ₹ across 7 categories with an interactive donut chart, and chat-driven image refinement using img2img.

Tech: *React, TypeScript, Django REST Framework, Flask, PostgreSQL/SQLite, PyTorch, OpenCV, Hugging Face*

Creamy Bliss – Full-Stack Web Application

- Built a responsive full-stack web application for an ice cream parlour.
- Developed Node.js backend logic and PostgreSQL database management to support day-to-day operations.

Tech: *HTML, CSS, JavaScript, Node.js, PostgreSQL*

IshaaraSpeak – Audio-to-Sign Language System

- Designed a system that converts speech to text and generates 3D sign language output, aimed at accessibility.
- Worked on real-time audio processing and gesture mapping using CNN, OpenCV, and MediaPipe.

Tech: *Python, JavaScript, CNN, OpenCV, MediaPipe, 3D Animation*

TRAINING & CERTIFICATIONS

AI Chatbot Development Internship – Trinetrini Quantum *1 Dec – 15 Jan*

- Gained hands-on experience in conversational AI, chatbot flow design, and workflow automation using Zoho SalesIQ.
- Strengthened problem-solving and communication skills through real-world AI application work.

Certificate Course in Cloud Computing – C-DAC ACTS, Pune *5 June – 15 June*

- Completed 60 hours of training in Cloud Computing, Basic & Advanced Linux, and deployment concepts.
- Gained practical exposure to cloud-based solutions, Linux environments, and DevOps fundamentals.