

Education

Degree	Institute	CGPA/%	Year
B. Tech	G.H Patel College of Engineering & Technology, Anand	9.34	2023–2027
Senior Secondary	AshaDeep International School, Surat (GSEB)	72%	2023
Secondary	J.B. & KARP Vidya Sankul, Surat (GSEB)	79%	2021

Work Experience

BrainyBeam Technologies Pvt. Ltd. <i>Python Developer Trainee</i> <ul style="list-style-type: none">Completed a structured 30-day internship focused on Python and Django backend development.Worked with Django MVT architecture, ORM, authentication, and relational database integration.Developed <i>CustomerPlus</i>, a customer management portal with full CRUD functionality and relational models using Django ORM.Implemented reusable backend modules and applied scalable application design principles.	<i>May 2025 – Jun 2025</i> <i>Remote</i>
---	---

Projects

AI-Assisted UI Generator <i>Personal Project</i> <ul style="list-style-type: none">Developed a full-stack application that converts natural language prompts into responsive React UI components.Integrated OpenAI API to generate structured JSX with Tailwind CSS styling.Implemented secure backend API routes and dynamic code rendering with live preview functionality.Applied prompt-engineering techniques to ensure valid, reusable, and production-ready component output.Tech Stack: Next.js, React, Tailwind CSS, OpenAI API, Framer Motion	<i>Jan. 2026 – Feb. 2026</i> <i>GitHub</i>
--	---

Video Summarization Platform Using AI <i>Personal Project</i> <ul style="list-style-type: none">Developed an AI-based platform that generates text and visual summaries from uploaded videos.Implemented speech-to-text transcription using Whisper and audio extraction via MoviePy.Integrated OpenAI API to produce structured summaries, keywords, and timestamp-based highlights.Designed an interactive Streamlit interface with downloadable reports and highlight clip generation.Tech Stack: Python, OpenAI API, Whisper, MoviePy, Streamlit	<i>Jan. 2026 – Feb. 2026</i> <i>GitHub</i>
---	---

Real-Time Code Collaboration Platform <i>Personal Project</i> <ul style="list-style-type: none">Developed a browser-based collaborative code editor enabling real-time multi-user code editing and synchronization.Implemented WebSocket-based communication for instant change propagation across connected clients.Integrated Monaco Editor for IDE-like functionality including syntax highlighting and auto-completion.Designed secure code execution using Docker containers with live output streaming.Tech Stack: React, Node.js, Express, WebSockets, Docker, Monaco Editor	<i>Nov. 2025 – Dec. 2025</i> <i>GitHub</i>
--	---

Technical Skills

<ul style="list-style-type: none">Programming Languages: C, C++, JavaScript, Python, SQLFrameworks & Libraries: Node.js, Express.js, React.js, Django (Basics)Databases: MongoDB, PostgreSQL, SQLiteDeveloper Tools: Git, GitHub, VS Code, PostmanRobotics & Systems: ROS2, TF2, Navigation2, Visual Odometry, Linux, Jetson Orin Nano, Raspberry PiAreas of Interest: Full Stack Web Development, Cloud Computing, System Design, Machine Learning, Big Data Analysis.Soft Skills: Team Collaboration, Problem Solving, Communication, Adaptability, Self-Driven.

Leadership Experience

ROS Lead – GCET Team Robocon ABU Robocon 2025 & 2026 <ul style="list-style-type: none">Led ROS development for ABU Robocon 2025 and currently serving as ROS Lead for Robocon 2026.Secured institutional grants of Rs. 6,05,000 (2025) and Rs. 7,00,000 (2026) from Charutar Vidya Mandal for the robotics team.Designed and developed an omni-directional drive robot controller using ROS2, TF2, and Navigation2 frameworks.Implemented Visual Odometry and the autonomous Navigation2 stack for real-time robot localization and path planning.Mentored team members on ROS2 concepts, robot kinematics, and autonomous navigation principles.	<i>Jan 2024 – Present</i>
--	---------------------------

Certifications

Introduction to Internet of Things (Gold + Elite), NPTEL	<i>May 2025</i>
Mastering Linux, Udemy	<i>Mar 2025</i>
SQL (Basic), HackerRank	<i>Oct 2024</i>
Programming in C, Red & White Skill Education	<i>Jul 2023</i>