

JATIN JASROTIA

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[GitHub](#) · [LinkedIn](#) · [LeetCode](#) · [Codolio](#)



SUMMARY

Passionate Computer Science student skilled in Machine Learning, Java, Python, and AI Tools. Proven team player with leadership experience in volunteer initiatives. Seeking to leverage technical and problem-solving skills in a dynamic role, with a long-term goal to grow as a Functional Lead.

EDUCATION

Bachelor of Technology in Computer Science and Science Engineering (2022 - 2026)
Shri Ramdeobaba College of Engineering and Management, Nagpur
CGPA: 8.86 (till 6th semester)

Higher Secondary School (2022)
Jawahar Navodaya Vidyalaya, Nud Samba, Jammu and Kashmir
Percentage : 90.2 %

PROJECTS

VoxaSight – A Voice and Vision AI Agent [\[Link\]](#) May 2025
Personal Project | Python, LiveKit Cloud, Deepgram (STT), Google Gemini (LLM), Silero VAD, Cartesia (TTS), WebRTC

- Developed VoxaSight, a multimodal AI agent for interactive learning using speech, Silero VAD, and ImageContent.
- Utilized a VoicePipelineAgent (STT → LLM → TTS) pipeline using Deepgram (STT), Google Gemini(LLM), and Cartesia (TTS).

AI Voice – Enabled Chatbot Assistant [\[Link\]](#) March 2025 - April 2025
Personal Project | Python, Speech Recognition, Text-to-Speech, GUI, APIs

- Created a voice-enabled AI chatbot using Python, integrating speech-to-text, text-to-speech, real-time search, and APIs (Cohere, Groq, Hugging Face) to enable natural, interactive conversations..
- Built a modular backend-frontend with API automation, image generation, database handling, and an intuitive GUI.

EduSphere [\[Link\]](#) January 2025 - February 2025

- Contributed to the development of **EduSphere**, an inclusive edtech platform, by creating interactive learning modules and supporting chatbot features for personalized, accessible education.
- Developed interactive modules with visual-auditory elements for life skills learning for specially-abled children and contributed to the chatbot and AI backend to deliver personalized, accessible education for general users.

Resume Parsing and Job Matching Application [\[Link\]](#) September 2024 - November 2024

- Developed a Flask app for parsing resumes (PDF, DOCX) using NLP to extract skills and personal info.
- Implemented a skill matching algorithm for personalized job recommendations.

SKILLS

- Technical Skills:** Python, SQL, Java, Data Analysis, Machine Learning, Natural Language Processing (NLP), Image Processing, Artificial Intelligence, Power BI.
- Soft Skills:** Excellent communication, customer-centric approach, problem-solving, Flexibility, Resilience, Integrity , and willingness to work in a team.

POSITIONS OF RESPONSIBILITY

Volunteer | INR Head | Junoon Head

National Service Scheme, Ramdeobaba University, Nagpur February 2023 - Present

- Led two events promoting inclusivity and empowering specially-abled children through interactive outreach.
- Gained experience in empathetic leadership, teamwork, logistics, and organizing impactful, inclusive events.

Director Photography

Rotaract Club, Ramdeobaba University, Nagpur July 2024 - Present

- Led photography team for social events and initiatives creating impactful visuals to promote causes and awareness.
- Managed photography team to plan, capture, and curate content for events, publications, and social media.

ACHIEVEMENTS

- Best NSS Volunteer awardee for the academic year 2024–2025.
- 1st Runner-Up in college Hackathon organized by The Code Breakers Club.
- Winner of **Innovanza '25** – National-level project competition recognizing impactful technical solutions, held at Ramdeobaba University (RBU), Nagpur.