

Ansh Kumar Tripathi

Computer Engineering

L.D. College of Engineering

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B.E

Male

Examination	University	Institute	Year	CGPA/%
Graduation	GTU(CE)	LDCE ahmedabad	2022-26	7.28
HSC	CBSC	KV A'bad Cantt	2022	91.2
SSC	CBSC	KV A'bad Cantt	2020	90.6

PROJECTS

- **ResumeSpace**(<https://resume-builder.space>) (sept'25-Oct'25)
 - Build professional resumes with complete privacy. Your data never leaves your browser.
- **AI Safety for Smart Manufacturing System**(https://youtu.be/1n_kSMQ8z-Q) (Mar'25-May'25)
 - An AI driven accident prevention system for modular manufacturing Systems, specifically tailored to a dynamic automobile factory.
 - It blends deep learning, real-time PPE detection, & a realistic Unity simulation to demonstrate a powerful safety solution
- **GrayMatter – Personal AI Study Assitant**(<https://youtu.be/XNu9ywhsd8c>) (Mar'25-May'25)
 - Built AI-powered study planner with offline local LLMs (Ollama) for personalized student organization.
 - Implemented chat-based integration and vector search using FAISS with Python backend for sub-second document retrieval.
- **DocuSplit – Smart PDF Splitter**(<https://doc2pdfsplitter.streamlit.app/>) (May'25-May'25)
 - Developed intelligent PDF splitting tool based on headings, content types, and custom user rules using Python and PyMuPDF.
 - Optimized for study materials and institutional document processing, reducing manual sorting time by 80%

TECHNICAL SKILLS

- **Programming & Scripting Languages:** C++, Python, HTML, CSS, Javascript
- **Tools & Libraries:** ReactJS, NodeJS, Next JS, Flask, MongoDB, Git/Github, REST APIs

WORK EXPERIENCE & INTERNSHIPS

- **SBT (Intel AI for manufacturing) | Intel Corporation** (Feb'25-Jul'25)
 - Developed a dual-approach AI-based accident prevention system for Modular Manufacturing, featuring real-time helmet detection and a Unity 6 simulation to demonstrate automated safety responses.
- **AI/ML Intern | Edunet Foundation** (Dec'24-Jan'25)
 - Engineered real-time human pose estimation system using AI/ML for images, video, and live camera feeds.
 - Completed project under Microsoft-SAP CSR initiative organized by AICTE, demonstrating practical AI implementation.
- **Honorary Secretary | LEO Club of Ahmedabad Host Main** (July'24-July'25)
 - Led 5+ community service initiatives under Lions Clubs International, promoting leadership and student empowerment.
 - Organized and executed projects reaching 200+ community members, aligned with “We Serve” motto.

ACHIVEMENT

- Qualified for college level Hackathon for SIH 2025, out of 114 teams.
- Volunteering In NCC from 2023, and attended National camps.

CERTIFICATION

- **Google:** Foundation of Cybersecurity
- **IBM:** Generative AI applications, Python & Flask Development, React Front-end development, Git & GitHub
- **UC Irvine:** Internet of Things (IoT) Programming

AREA OF INTEREST

- Cybersecurity
- Artificial Intelligence & Machine Learning
- IoT & Embedded Systems
- Full-Stack Web Development

HOBBY

- Playing Chess
- Reading
- DIY Projects
- Trekking