



# Krish Teckchandani

Roll No.:B23CS1092

Bachelor of Technology

Computer Science and Engineering

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Github

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Indian Institute of Technology, Jodhpur	9.72	2023-2027
Senior Secondary	CBSE Board	96.6%	2023
Secondary	CBSE Board	99.2%	2021

## PROJECTS

- VoidShare: Encrypted Decentralized P2P File Sharing System** 01/2025 - 05/2025

Designed and developed a **peer-to-peer file sharing system** using secure protocols, demonstrating software engineering best practices in privacy and communication systems.

  - Implemented WebRTC file transfer using **AES-256, ECC, and RSA** to ensure confidentiality & integrity
  - Built chunked transfer with real-time progress and session cleanup for fault tolerance.
  - Applied software engineering principles to build a secure communication system with production-level reliability.
  - Tools & Technologies:** React, Node.js, WebRTC, Web Crypto API, MongoDB, Redis, AES-256, ECC, RSA.
- Skribix: Hand-drawn Sketch Recognition Pipeline** 01/2025 - 05/2025

Engineered a sketch recognition pipeline using classical CV (HOG, BoVW, edge detection) and CNN.

  - Achieved **81%** accuracy with PCA + SVM on edge features.
  - Engineered an end-to-end ML pipeline, demonstrating practical understanding of data preprocessing, model training, and deployment. Reduced manual intervention by 80%, improving workflow speed.
  - Tools & Technologies:** Python, OpenCV, PCA, SVM, CNN, VGG, Flask, Google Cloud Platform, K-Means.
- Multi-Gas Sensor Array Visualization App** 02/2025 - 04/2025

Developed a real-time environmental monitoring app featuring data visualization and support for multiple hardware platforms (ESP32 and Raspberry Pi).

  - Collaborated across hardware and software layers to deliver a reliable multi-platform solution, applying core engineering practices for data accuracy and performance.
  - Implemented **Golang** scripts to automate peak identification in CSV files with 95% accuracy; integrated cloud storage with **Google Drive API** via **Google Apps Script**, enabling real-time data sync.
  - Tools & Technologies:** React Native, Expo, Golang, Chart Kit, ESP32, Raspberry Pi, Google Drive API.
- Ignus'25 Web Development** 12/2024 - 02/2025

Contributed to the development and the optimization of the official Ignus'25 website, improving accessibility and user experience.

  - Enhanced UX and performance based on user needs, improving accessibility and responsiveness for 10,000+ users.
  - Enhanced site responsiveness and reduced load time by 34%, improving user engagement.
  - Tools & Technologies:** React.js, Next.js, Tailwind CSS, Django

## KEY COURSES TAKEN

- Data Structures and Algorithms, Software Engineering, Pattern Recognition and Machine Learning, Probability Statistics and Stochastic Processes, Intro to CS, Linear Algebra, Multi-variable Calculus

## TECHNICAL SKILLS

- Programming Languages:** C/C++, Python, JavaScript, Golang, SQL
- Software Engineering Tools:** Git/GitHub, Docker, Postman, Redis, Jupyter, Linux
- Frameworks & Libraries:** React, Node.js, Flask, FastAPI, Django, TensorFlow, PyTorch, Pandas, NumPy
- Cloud & DevOps:** Google Cloud Platform (GCP), AWS, Kubernetes, Kafka
- Web Development:** HTML, CSS, JavaScript, React Native, Next.js, MongoDB, Tailwind CSS, Figma

## POSITIONS OF RESPONSIBILITY

- Vice President**, Board of Academic Interaction, IITJ 04/2025 - Present
- Support Team Member**, Placement and Training Cell, IIT Jodhpur 11/2024 - 04/2025
- Assistant Head**, Web Development, IGNUS'25 12/2024 - 02/2025
- Assistant Head**, Events, Sandstone Summit 4.0 09/2024 - 10/2024

## ACHIEVEMENTS

- DR 1 in CSE:** Recognized for top academic performance in Department of CSE. 2025
- 10.0 SGPA in 2nd Semester:** Highest GPA in whole of B.Tech. Second Semester. 2024
- Grade A in CSE Core Courses:** Top 1% among 250+ students with the highest possible grade. 2025
- JEE Advanced Rank - 3113:** Secured admission to IIT Jodhpur through JEE Advanced 2023 2023

## CERTIFICATIONS

- AWS Cloud Essentials Certificate Certificate | 06/2025
- Google Cloud CyberSecurity Certificate Certificate | 12/2024