

# GAUTAM SINGH KAUSHIK

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## Education

### Vellore Institute of Technology, Bhopal

**B.Tech** (CSE with specialization in cloud computing and automation) | CGPA: **8.98**

**05 - 2025**

(Ongoing)

### Anand Vihar School, Bhopal

**2021**

CBSE (Class XII) **90%**

### Anand Vihar School, Bhopal

**2019**

CBSE (Class X) **84.2%**

## Skills

Java, Python, Machine Learning, Artificial Intelligence, Fullstack Development, Figma, MongoDB, SQL, Git

## Projects

### VITON(virtual try-on) (Ongoing)

**08 -2024 - Present**

Developed an AI-powered virtual try-on system with 90% alignment accuracy using U-Net, OpenPose, ResNet101, and GMM. Improved segmentation by 15% using self-correcting human parsing for better fit across body types. Prototyped on Google Colab, tested with Gradio, and planning website integration.

- **AI/ML Project**
- **Description** : Virtual Try on AI/ML project
- **Technology** : Python, Machine Learning, OpenCv
- **Models used** : ResNet101,U-Net, OpenPose
- **Team Project of AI/ML**

### HandWritten Digit Recognition System

**08- 2024**

A machine learning model trained to recognize and predict handwritten digits.

Used CNN (Convolutional Neural Network) for feature extraction, along with OpenCV and other techniques.

- **Machine Learning Model**
- **Description** : HDRS ML project
- **Technology** : Python, Machine Learning, CNN, OpenCv
- **Individual Project of ML**

### Movie Ticket Booking System

**04- 2025**

Developed a full-stack MERN app for booking movie tickets with features like login, seat selection, and admin controls. Designed responsive UI with Tailwind CSS and integrated REST APIs for smooth backend-frontend flow.

- **Full Stack Web Development Project**
- **Description:** Online ticket booking system with user and admin modules.
- **Technology:** MERN (MongoDB, Express.js, React.js, Node.js), Tailwind CSS
- **Group Project of Full Stack Development**

## Academic and Extracurricular Achievements

### Certification

SIH (Internal Hackathon Finalist), Applied Machine Learning in Python (Coursera), MATLAB Onramp (MathWorks), Simulink Onramp (MathWorks), AIML and Web Development (Spring Bootcamp - Certificate of Merit), Generative AI Certification (IBM), Full Stack Developer (MERN) – SmartBridge & MongoDB.

### Extracurriculars

3rd Place - Script Writing (Tamasha'23, Ekfraseis Club), 3rd Place - Costume Design (Fusion Club, VIT Bhopal), Google Cloud Arcade Participant (2023–Present).

## Languages

English, Hindi, German (Basics A1)