

# SIMAR KOCHAR

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## Education

<b>Vellore institute of Technology Bhopal, India</b>	<b>2022 - 2026</b>
• CGPA: <b>8.93</b>	(expected)
<b>Satya Prakash Public School, India</b>	<b>2020 - 2022</b>
• CBSE (Class XII), Aggregate: <b>92.6%</b>	
<b>Akal Academy Baru Sahib, India</b>	<b>2019 - 2020</b>
• IGCSE(Cambridge) (Class X), Aggregate: <b>78.8 %</b>	

## Skills

**Programming & Frameworks:** Python, Java, JavaScript, Node.js, React, Express.js, EJS

**Databases:** MongoDB, MySQL

**Web Development:** HTML, CSS, Bootstrap

**Tools & Others:** Git, Version Control Tools

**Core Subjects:** Operating System, Database Management System, Computer Networks, OOPs, DSA

## Projects

### **BookStore / (Nodejs, Express, React, MongoDB, FireBase)**

- Built a full-stack bookstore application using MERN stack with user authentication and book catalog management
- Implemented Firebase for real-time database operations and secure user login/registration functionality
- Created responsive React frontend with dynamic book search, filtering, and shopping cart features
- Developed RESTful APIs using Node.js and Express for handling book inventory and order processing

### **Email Formalizer Chatbot/ (Flask, Python, Hugging Face API, HTML, CSS)**

- Developed a Flask web application that converts informal text to professional language using Hugging Face AI models
  - Integrated deepseek-prover-v2-671b model via Hugging Face Router API for intelligent text transformation
  - Implemented robust error handling with retry logic and fallback mechanisms for API failures
  - Created user-friendly web interface for seamless text input and formal email generation
- Retry

## Academic and Extracurricular Achievements

- Completed a **12-week** Privacy and Security on Online Social Media from NPTEL (IIIT Hyderabad) with an **83%** score, ranking in the top **5%**.
- Committed to the **100 Days of Code** challenge, solving one DSA problem daily for **100** days, enhancing coding consistency and logic-building skills.

