

SIMAR KOCHAR

Jabalpur, MP, India

+91-9131241430 | simark8640@gmail.com | [linkedin.com/in/simar-singh-497387250](https://www.linkedin.com/in/simar-singh-497387250)

EDUCATION

VIT Bhopal University, India

B.Tech in Computer Science and Engineering

CGPA: 8.91/10

2022-2026

Satya Prakash Public School, India

Class XII (CBSE)

Aggregate: 92.6%

2020-2022

Akal Academy Baru Sahib, India

Class X (IGCSE)

Aggregate: 78.8%

2019-2020

TECHNICAL SKILLS

Languages: Python, Java, JavaScript | **Frontend:** React, HTML, CSS, TailwindCSS, Bootstrap | **Backend:** Node.js, Express.js, Flask | **Databases:** MongoDB, MySQL, Supabase, Firebase | **Tools:** Git, Hugging Face API, Clerk | **Core Subjects:** OS, DBMS, CN, OOP, DSA

PROJECTS

BookStore

Node.js, Express, React, MongoDB, Firebase

- Built a bookstore application using the MERN stack with user authentication and book catalog management.
- Integrated Firebase for real-time database operations and secure login/registration.
- Created a responsive frontend with dynamic book search, filtering, and shopping cart.
- Developed RESTful APIs for managing book inventory and order processing.

Hirrd – Job Portal

React, Supabase, Clerk, TailwindCSS

- Built a responsive job portal with secure user authentication using Clerk.
- Integrated Supabase for real-time database and file storage (resumes, logos).
- Developed recruiter/candidate dashboards for job posting, tracking, and profile management.
- Enabled file uploads and ensured UI responsiveness across devices.

Email Formalizer Chatbot

Flask, Python, Hugging Face API, HTML, CSS

- Developed a Flask web application that converts informal text to professional language.
- 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 a user-friendly web interface for seamless text input and formal email generation.

CERTIFICATIONS

- Privacy and Security on Online Social Media** – NPTEL (IIT Hyderabad) [Score: 83%, Top 5%]
- IBM GenAI Certificate** - IBM Professional Certificate
- SmartInternz – MERN Stack Certification** - SmartBridge
- HTML, CSS, and JavaScript for Web Developers** – Johns Hopkins University

ACADEMIC AND EXTRACURRICULAR ACHIEVEMENTS

- Solved 100+ DSA problems daily for 100 days, improving problem-solving and coding speed.
- Ranked in the **top 5%** in the NPTEL Privacy and Security course.

ADDITIONAL INFORMATION

Languages Known: English (Fluent), Hindi (Native)

Hobbies & Interests: Reading, Coding, Web Development, Problem Solving