

# SIMAR KOCHAR

Jabalpur, MP, India

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## EDUCATION

### VIT Bhopal University, India

*B.Tech in Computer Science and Engineering*

CGPA: 8.97/10

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 | **Tools:** Git, Clerk | **Core Subjects:** OS, DBMS, CN, OOP, DSA

## PROJECTS

### 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.

### HomeScope

React, Python, Flask, scikit-learn, CSS

- Built a real estate web app for local property listings and rent prediction.
- Created a responsive React UI with dynamic search, filtering, and a favorites feature.
- Developed a rent estimation model in Python from manually gathered local data.
- Enhanced user experience with a mortgage calculator, theme toggle, and a chatbot.

### Email Formalizer Chatbot

Flask, Python, Hugging Face API, HTML, CSS

- Developed a Flask web application that converts informal text to professional language.
- Integrated a large language model via the 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

- **IBM GenAI Certificate** - IBM Professional Certificate
- **MongoDB Node.js Developer Path** - SmartInternz
- **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.
- Selected for the Vodafone Idea Foundation's 6-week virtual internship on Conversational Data Analysis with LLMs.
- Secured a rank within the Top 200 in Amazon ML Challenge by developing a predictive model.

## ADDITIONAL INFORMATION

- **Languages Known:** English (Fluent), Hindi (Native)
- **Hobbies & Interests:** Reading Books, Trekking