

# HRITVIK SAIGAONKAR

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## SUMMARY

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Computer Engineer with hands-on experience in Full-Stack Development and Machine Learning projects. Experienced in utilizing Prompt Engineering to optimize AI integration within scalable software. Strong communicator dedicated to delivering functional, innovative solutions through technical precision and clear collaboration.

## EDUCATION

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### Bachelor in Computer Engineering

*K.C College of Engineering and Management Studies*

*Nov 2022 - June 2026*

- CGPA: 7.1

### Junior College (HSC)

*Maharashtra State Board, NES High School and Jr College*

*Jan 2021 - March 2022*

- Score: 57.67%

### High School (SSC)

*Maharashtra State Board, NES High School*

*June 2008 - June 2020*

- Score: 83.20%

## PROJECTS

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### BhashaSetu - Machine Translation AI Model using NLP and LLM

A self-hosted translation platform that fine-tunes MarianMT using LoRA/QLoRA on the AI4Bharat Samanantar dataset. Features a custom API gateway with integrated glossary support, autocorrect, and voice I/O capabilities for English-to-Indian language translation.

*Tools used: Python, PyTorch, Hugging Face Transformers, Flask, HTML5/Bootstrap 5, Web Speech API.*

### Textify- Full Stack AI SaaS Application

Built a complete Full-Stack AI application utilizing the MERN stack and ClipDrop API. Features a custom user authentication system and a token-based economy for credit consumption during image generation. Secure online payment gateway integration enables monetization via real-time credit top-ups. Handles asynchronous API calls, state management, and secure backend architecture.

*Tools used: MongoDB, Express.js, React.js, Node.js, ClipDrop API, Stripe/Razorpay (Payment Gateway), JWT.*

### Exploratory Data Analysis- Automated EDA Tool

Built a web application that allows users to upload datasets and automatically perform exploratory data analysis, enabling dynamic visualizations and insights generation without requiring manual coding.

*Tools used: Python, Pandas, Matplotlib/Seaborn, Streamlit, Flask.*

## SKILLS

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**Languages** Python, JavaScript, HTML5, CSS3, SQL

**Tools/Frameworks** Flask, PyTorch, Hugging Face Transformers, Streamlit, Pandas, NLTK/SpaCy

**Databases** MySQL

**Other Skills** Prompt Engineering, Communication

## CERTIFICATES

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### Advanced Web Development Capstone

- NEXCORE ALLIANCE

### Data Analytics

- IBM SkillsBuild