

# Ayushi Samaddar

## Full-Stack Developer

Versatile Full Stack Developer skilled in MERN stack and Machine Learning integration. Expert in building scalable web apps, RESTful APIs, and ML models. Passionate about performance-driven, user-centric solutions.

ayushisamaddar55@gmail.com



9131564538



Pune, Maharashtra, India



## WORK EXPERIENCE

### Full-Stack Developer

#### Insight catalyst

07/2024 - Present Remote

Built and maintained the official website for PuzzleBite, ensuring responsive design and smooth user experience. Created and implemented the iVantage web application, focusing on modern UI/UX principles and efficient front-end workflows.

### Project Associate

#### IIT BHILAI

10/2023 - 06/2024

Bhilai, Chhattisgarh

Engineered an Ethereum-based e-voting system (Truffle, Ganache, React) with LSAG signatures, ensuring 100% voter anonymity and eliminating duplicate votes. Implemented a speaker verification system using I-Vector Modelling and MFCC feature extraction, enhancing biometric authentication accuracy and achieving a low Equal Error Rate (EER) on test datasets. Optimized GPU-accelerated CSR x Dense matrix multiplication using CUDA C++, reducing execution time by up to 60% compared to CPU-based methods while minimizing memory usage.

## PERSONAL PROJECTS

### ISKCON Bhilai Management System

- Developed a full-stack platform (React + TypeScript, Node.js, Express, MongoDB, Tailwind) for temple event, donation, and devotee management. Designed a multilingual UI and admin dashboard with Excel/PDF reporting and secure donor tools. <https://iskconseva.onrender.com>

### RAG-Based AI Chatbot

- Created a context-aware chatbot using vector search (Pinecone), semantic embeddings (Hugging Face), and fast inference (Groq). Deployed secure APIs and a scalable cloud-integrated backend for efficient performance. <https://my-chatbot-8hvjv.onrender.com>

## EDUCATION

### Bachelor of Technology

#### Chhattisgarh Swami Vivekanand Technical University

08/2020 - 06/2023

Bhilai, Chhattisgarh

### Diploma

#### Chhattisgarh Swami Vivekanand Technical University

08/2017 - 06/2020

Bhilai, Chhattisgarh

## SKILLS

Programming Languages: JavaScript, Python, SQL

Frontend: React.js, Bootstrap, Tailwind CSS, TypeScript

Backend : Node.js

Databases: MySQL, MongoDB

Cloud & DevOps: Git, GitHub, Netlify, Render

Tools & ML (Additional): Scikit-learn, OpenCV

## ACHIEVEMENTS

AWS Certified Cloud Practitioner, Udemy, 2023

PHP and MySQL Web Development, Udemy, December 2023

HTML, CSS, JavaScript Web Development, Coursera, March 2021

Python Programming Fundamentals, AICTE, September 2018

## REFERENCES

<https://www.linkedin.com/in/ayushi-samaddar-5499b6265/>

<https://github.com/ayushi68>

<https://professionalportfolio-814h.onrender.com>

## LANGUAGES

Hindi

*Full Professional Proficiency*

English

*Professional Working Proficiency*