

# Shashank Choudhary

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## Tech Stack

**Web Development:** HTML, CSS, React.js, Node.js, Express.js, MongoDB.,

**Data Science / Machine Learning / Deep Learning:** Data Visualisation, Supervised learning, Unsupervised Learning, ANN, CNN, EDA, Feature engineering.

**Python packages and Frameworks:** Scikit-Learn, Tensorflow, NumPy, Pandas, Matplotlib, Pytorch.

**MLops Tools:** MLflow, CI/CD.

**Programming Languages:** Python, JavaScript.

**Databases:** MongoDB, Mysql, Postgresql.

**Cloud Deployment and Containers:** AWS, Netify, Git, Docker

## Experience and Extracurricular Activities

### Externs Club

Aug 2023 - Sept 2023

#### *Web Developer Intern*

- Developed a full-stack web application using the **MERN Stack (MongoDB, Express, React, Node.js)**.
- Implemented **user authentication** and secure data handling, enhancing backend development skills.
- Built responsive and interactive front-end interfaces using **React**, applying **React Hooks** and component-based architecture.

### Core Lead at Udyam Ecell, GGITS Affiliated by IIT Bombay

Aug 2022 - July 2024

#### *Marketing Team Core Lead*

- Led the marketing team to run successful campaigns and achieved **5th place in the NEC Finals by IIT Bombay**.
- Handled brand partnerships, helping to increase event participation and sponsorships.
- Managed the creation of marketing materials and made sure the team met deadlines while staying on brand.

## Education

### Gyan Ganga Institute of Technology and Sciences, Jabalpur

2021 - 2025

B.Tech in Electronics and Communication Engineering

**CGPA: 8.4/10**

Relevant Coursework: Digital Electronics, Digital System Design, VLSI Design, Microprocessors and Microcontrollers, Embedded Systems, Data Communication, Data Structure and Algorithms

## Project Work

- **Chat Application:** Built a real-time chat application using the MERN stack, **WebSocket**, and **JWT** for secure messaging, enabling seamless communication with real-time updates and user **authentication**.
- **End to End Image Classification:** Developed an end-to-end image classification project for dogs and cats using deep learning. Structured the project with **modular components**, including data processing, model training, logging, and pipeline integration.
- **End to End Text Summarizer:** Developed a text summarizer using **NLP** techniques to generate concise summaries from long texts. Implemented preprocessing, feature extraction, and model-based summarization for accuracy. Designed a modular structure for easy scalability and integration into applications.
- **Gemini Clone:** Developed a Gemini Clone using React and the Gemini API for AI-powered chatbot interactions. Integrated NLP capabilities to generate human-like responses and enhance user experience. Designed a responsive and scalable front-end for smooth performance and real-time communication.