

# Siddhartha Kumar

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## EDUCATION

### Rajkiya Engineering College Ambedkar Nagar

Bachelor of Technology in Information Technology

Ambedkar Nagar, India

2022 – 2026 (Expected)

**Relevant Coursework:** Data Science, Machine Learning, Algorithms, Web Development, Database Systems

## TECHNICAL SKILLS

**Languages:** Python, C/C++, JavaScript, HTML/CSS, PHP, SQL (MySQL)

**Frameworks & Libraries:** React, Node.js, Flask, Bootstrap, TensorFlow, scikit-learn

**Technologies:** Machine Learning, Deep Learning, CNNs, Data Science, REST APIs, Git, WordPress

**Tools:** Google Gemini API, Kali Linux, MS Excel, Jupyter Notebook, VS Code

## EXPERIENCE

### Web Development Intern

Dec 2025 – Jan 2026

*Cognifyz Technologies*

- Completed internship demonstrating exceptional dedication, strong coordination skills, and impressive attention to detail recognised by management.
- Approached every new assignment with consistent enthusiasm, showcasing passion for web development and commitment to acquiring new technical skills throughout the program.
- Received official completion certificate from ISO 9001:2015 and MSME-certified Cognifyz Technologies upon successful completion of the program.

### Web Development Intern

Oct 2023 – Nov 2023

*Codsoft*

- Built responsive web applications using HTML, CSS, JavaScript, and React ensuring full cross-browser compatibility.
- Developed RESTful backend services using Node.js and implemented reliable data persistence with MySQL databases.
- Collaborated with the team to successfully deliver 3+ full-stack projects within tight deadlines during a 4-week internship.

## PROJECTS

### Deepfake Detection System

Feb 2025 – Present

- Developing a CNN-based deepfake detection system using TensorFlow and Python to accurately identify manipulated media.
- Implemented Grad-CAM visualization for model interpretability, providing explainable AI predictions with confidence scores.
- Designed full-stack application with Flask backend and responsive JavaScript frontend for real-time deepfake detection.

### Chatbot Using Gemini API

Mar 2025

- Built an interactive chatbot leveraging Google Gemini API for real-time query processing and conversational AI responses.
- Implemented natural language understanding to deliver accurate, context-aware responses with low latency and high engagement.
- Designed a user-friendly interface with seamless API integration enabling smooth multi-turn conversational interactions.

### Sports Council Website

Nov 2024 – Dec 2024

- Developed a fully responsive website for the REC Ambedkar Nagar Sports Council using HTML, CSS, and JavaScript.
- Integrated NLP-powered conversational features for interactive user engagement and streamlined information retrieval.
- Optimised site performance achieving a 95+ Google Lighthouse score across accessibility, SEO, and performance metrics.

## LEADERSHIP & ACHIEVEMENTS

**Head, Council of Student Activities:** Led college-wide cultural, technical, and sports events at REC Ambedkar Nagar, coordinating 500+ students and faculty to successfully execute 15+ major events annually.

**Machine Learning Certification:** Completed IBM Machine Learning with Python (Coursera) with 93.57% grade, mastering supervised/unsupervised learning, regression, classification, and clustering algorithms.

**AI Certification:** Earned Artificial Intelligence (AI) Primer Certification from Infosys Springboard, October 2024, covering core AI concepts, ethics, and real-world applications.

**1st Place, Volleyball Tournament:** Won gold medal at Tvaran National Level Sports Fest organised by KNIT Sultanpur, demonstrating strong teamwork, leadership, and competitive excellence.