KOMAL CHAUDHARY

+91 9335200378 ◇ PRATAPGARH, UP, INDIA
chaudharykomal681@gmail.com ◇ linkedin ◇ Github

OBJECTIVE

I am an Electronics and Communication Engineering student with good knowledge of programming in Python and C++. I also have experience in web development. I am looking for a job where I can use my skills and learn by working on interesting and useful projects.

EDUCATION

Chhatrapati Shahu Ji Maharaj University
Bachelor of Technology, Electronics and Communication Engineering, CGPA: **9.29** 2021 - 2025
Relevant Coursework: Digital Electronics, Communication Systems, etc.

Saket Girls Inter College
Class XII 82.8% 2020 - 2021
Class X 82.8% 2018 - 2019

SKILLS

Technical Skills	C/C++, Python, Data Structure, Algorithm, HTML, CSS, JS, MySQL
Soft Skills	Communication, Teamwork, Time Management, Problem-solving, Adaptability.

EXPERIENCE

Software Development Intern (Virtual Internship) March 2025
TECH SAKSHAM (By Edunet Foundation, Microsoft and SAP)

As a software development intern I worked on developing a **Smart fitness tracker** using Python and machine learning techniques to monitor user activities like step count, calories burned, and sleep duration.

- Processed and analyzed real-time sensor data from mobile devices for accurate health tracking.
- Trained AI models (using libraries like scikit-learn) to classify user activity and improve prediction accuracy.
- Designed a simple and user-friendly interface for displaying fitness metrics using Python GUI tools (e.g., Tkinter) or web-based platforms.
- Optimized code for low battery consumption and minimal memory usage on portable/mobile devices.

PROJECTS

Sign Language Recognition Model. Designed and implemented a CNN-based architecture to classify hand gestures representing letters and words in sign language. The project involved applying image preprocessing techniques such as resizing, grayscale conversion, normalization, and data augmentation to improve model accuracy and robustness. The model was trained using TensorFlow and Keras, achieving high accuracy in gesture classification.
Technology Used: Python, Deep Learning, Computer vision, CNN, OpenCV.

Hospital Management System. Developed a console-based Hospital Management System in C++ to manage patient records, doctor information, and appointment scheduling. Implemented key features such as patient registration, appointment booking, billing, and discharge summary generation. Used file handling in C++ to enable persistent storage and retrieval of patient and doctor data.
Technology Used: C++, OOP Concept, Data Structure, File Handling.

EXTRA-CURRICULAR ACTIVITIES

- Presented a Research Paper on **SIGN LANGUAGE RECOGNITION MODEL USING CNN WITH ENHANCED ACCURACY in ICRAECCT-2025(International Conference on Recent Advances in Emerging Computing & Communication Technologies)**