Bhoomi Goyal

B.Tech - 3rd Year
Computer Science and Engineering

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EDUCATION

Year	Degree/Exam	Institute	CGPA
2026	B.Tech	Indian Institute of Technology Bhilai	8.2/10
2022	AISSCE (CBSE)	Tagore Academy Public School	9.0/10

EXPERIENCE

CHcommune Website | Web Developer Intern | RecogX *Sept'23 - October'23*
- Led the front-end development efforts, focusing on the implementation of responsive and visually appealing user interfaces using **HTML**, **CSS**, and **JavaScript**.
- Developed and optimized web pages to ensure a seamless and user-friendly experience.
- Actively participated in team meetings, providing insights on front-end development strategies, challenges, and opportunities.

PROJECTS

Smart Attendance System (TIH Fellowship) *December'24 - Present*
Project Lead: Dr. Amit Kumar Dhar, IBITF, IIT Bhilai
- Implemented face detection and segmentation using **RetinaFace**, ensuring high accuracy under varying conditions.
- Extracted facial embeddings with **Facenet (DeepFace)** for efficient and precise recognition.
- Verified student attendance by comparing embeddings using **cosine similarity**, achieving reliable identification.
- **Tools & technologies used**: RetinaFace, DeepFace, Facenet, Python, Deep Learning frameworks.

CCPS Placement App *May'24 - June'24*
- Developed a placement app for the CCPS using React Native, implementing functionalities for coordinators to assign tasks to volunteers.
- Developed features to display volunteer lists and company lists, and integrated **user authentication** with a secure login option.
- Added additional features to enhance the overall functionality and user experience.
- **Tools & technologies used**: React Native, JavaScript, Backend service for authentication.

Food Delivery Website (MERN Stack) *June'24 - July'24*
- Developed a full-stack food delivery website using MongoDB, Express.js, React.js, and Node.js.
- Implemented user authentication and authorization using **bcrypt** for hashing passwords.
- Designed and developed features like add-to-cart, checkout, and order history.
- **Tools & Technologies Used**: MongoDB, Express.js, React.js, Node.js, HTML, CSS, JavaScript, Axios, bcrypt.

AWARDS AND ACHIEVEMENTS

- Secured **1st Runner-up** position in Hack-a-sol Hackathon, organized by **IIIT** Naya Raipur.
- **Cultural**: Achieved **second position** in dance competition organised by cultural society, **IIM** Raipur.
- **Pupil** on Codeforces.

COURSEWORK

DSA | DBMS | OS | Computer Organisation and Architecture (COA) | Theory Of Computation (TOC) | Probability and Statistics | Calculus | Linear Algebra | Machine Learning | Computer Networks

SKILLS AND EXPERTISE

Languages: C/C++, HTML, CSS, JavaScript, Latex, React Native
Dev Libraries & Frameworks: React, Node JS
Database & Deployments: Mongodb, Linux, Docker
Softwares & Tools: Visual Studio Code, Git

CERTIFICATIONS

- Full Stack Web Development | Udemy by Angela Yu | 2023

POSITIONS OF RESPONSIBILITY

- **Core Member,** Beathacker's Dance Club, IIT Bhilai *May'23 -May'24*
- **Content Head,** Beathacker's Dance Club, IIT Bhilai *May'24 - present*

EXTRA CURRICULAR ACTIVITIES

- Participated in **Inter IIT Cult Meet 6.0**, IIT Kharagpur.
- Active member of Girls Badminton Team of National Sports Organisation, IIT Bhilai in the year 2022-2024.
- Event Coordinator in **Meraz** fest, IIT Bhilai.