



# KARLOSH YADAV

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**Gender:** Male **Nationality:** Nepalese

## EDUCATION

- 2020 – 2024 **Bachelor of Engineering in Computer Science and Engineering**  
*CMR Institute of Technology, Visvesvaraya Technological University, Bengaluru, India | GPA: 8.75/10*  
*Thesis: Heart Disease Prediction System using Machine Learning*
- 2018 – 2020 **School Leaving Certificate Examination (Grade XI & XII)**  
*United Academy, National Examination Board, Nepal | GPA: 3.08/4*
- 2017 – 2018 **Secondary Education Examination (Grade X)**  
*National Examination Board, English Preparatory Secondary School, Nepal | GPA: 3.6/4*

## TRAINING

- 01/03/2024 – 30/04/2024 **Front-End Web Development Intern at Next24 Technology**  
Design front-end interfaces for different use cases and integrated APIs for smooth functionality.
- 03/01/2023 **Machine Learning for all**  
(Coursera course offered by University of London)
- 05/10/2023 **Copyright for Educator and Librarians Certificate**  
(Coursera course offered by Duke University, Emory University, The university of North Carolina)
- 17/08/2022 **Linux Fundamentals by Coursera**
- 23/03/2022 **Programming Fundamentals with JavaScript, HTML and CSS**  
(Coursera course offered by Duke University)
- 11/09/2021 **DevOps Fundamentals by Udemy**
- 11/09/2021 **C for Everyone: Programming Fundamentals**  
(Coursera course offered by UC SANTA CRUZ)

## PROJECTS

- 04/2023 – 04/2024 **Heart Disease Prediction System using Machine Learning**  
Implemented and evaluated Hybrid machine learning algorithm using Python, SMOTE, SHAP and Grid Search. Enhanced prediction and performance through data balancing and interpretability techniques.
- 10/2022 – 04/2023 **Health Guard: AI-Powered Disease Monitoring System**  
Real-time IoT-based system that monitors patients with chronic diseases and uses machine learning to predict complications, providing early warnings and personalized health insights.

## COMPUTATIONAL SKILLS

Java | C++ | Python | JavaScript | HTML | CSS | SQL | Data Structures and Algorithms | Object-Oriented Programming | Machine Learning | React.js | React Native | NoSQL | Microcontroller Programming | AWS | Data Analysis and Visualization (Pandas, Matplotlib, Seaborn) | RESTful API | Operating Systems | DevOps | Graph Theory | Git | IoT

## MANAGEMENT AND LEADERSHIP SKILLS

- 04/2023 – 04/2024 **President, International Student Club (ISC)**  
I led club meetings and managed a team, organized cultural events and activities, helped international students adjust to campus life, and worked with the college administration to address student concerns.

04/2022 – 04/2023	<b>Secretary, Soft Research Computing Society</b>  I managed communications and meeting schedules, recorded and maintained minutes of meetings, assisted in organizing technical workshops and events, and coordinated with members to ensure smooth operations.
10/2022 – 10/2023	<b>Class Representative</b>  As a Student Representative, I communicated my classmates' concerns and suggestions to teachers. I also planned and organized class activities and meetings.

LANGUAGE SKILLS	
	Mother tongue: Maithili, Nepali Other language(s): English, Hindi

VOLUNTEERING	
	<b>Rotaract Blood donation</b> - Rotaract Club of CMR Institute of Technology  <b>Rotaract Dog feeding</b> - Rotaract Club of CMR Institute of Technology

HOBBIES AND INTERESTS	
	<b>Cricket</b>  Competed at both college and district levels, showcasing advanced cricket skills. Teamwork and Sportsmanship: Fostered strong teamwork and displayed sportsmanship in competitive matches.

HONOURS AND AWARDS	
	<ul style="list-style-type: none"> <li><b>Graduate Record Examination (GRE) – 333</b> Awarding institution: Educational Testing Service [26/08/2024]</li> <li><b>Secured second place in the technical event organized by Coders CMRIT Club.</b> Awarding institution: Coders Club of CMRIT</li> <li><b>Awarded Academic achievement in 5th semester for academic score and research.</b> Awarding institution: Department of Computer Science and Engineering (CMRIT) [ 27/07/2023]</li> <li><b>Awarded a Certificate of Appreciation for outstanding contribution and leadership as President of the International Student Club.</b> Awarding institution: CMR Institute of Technology [2024]</li> <li><b>Certificate for exceptional participation in the CMRUT20 State Level Inter-University Cricket Tournament.</b> Awarding institution: CMR University [10/02/2024 – 16/02/2024]</li> <li><b>Secured second place in Inter House Handball Tournament.</b> Awarding institution: English Preparatory Secondary School [2014]</li> </ul>