

# Karan Chaudhary

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## EDUCATION

### INDIAN INSTITUTE OF INFORMATION TECHNOLOGY VADODARA INTERNATIONAL CAMPUS DIU

COMPUTER SCIENCE AND ENGINEERING

CGPA: 7.35 / 10

Expected July 2024 | Diu, India

### INTERMEDIATE (12th)

Meerut, India

March 2020 | Percentage: 84

### HIGH SCHOOL (10th)

Agra, India

March 2018 | Percentage: 80

## LINKS

Github: [karan chaudhary](#)

LeetCode: [karan\\_chaudhary\\_22](#)

GFG: [karan\\_chaudhary\\_22](#)

Codestudio: [karan chaudhary](#)

## CERTIFICATION

**GFG (ongoing):** Data Structures and Algorithms

**IBM:** Deep Learning and Reinforcement Learning

**IBM:** Exploratory Data Analysis for Machine Learning

**UDEMY:** The Complete 2023 Web Development Bootcamp

## COURSEWORK

PROGRAMMING IN C

SOFTWARE ENGINEERING

DATA STRUCTURES

ANALYSIS OF ALGORITHMS

OBJECT ORIENTED PROGRAMMING

DATABASE MANAGEMENT SYSTEMS

COMPUTER NETWORKS

DEEP LEARNING

## ACHIEVEMENTS

**Regionalist:** SSIP Hackathon (2022).

**Coding:** 300+ problems solved on different coding platforms.

**Gold Badge:** Hackerrank for C++

**Research Internship:** Offer from NIT Jaipur

## EXPERIENCE

### RESEARCH INTERNSHIP | PROF. PRITEE KHANNA |

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, DESIGN, AND MANUFACTURING, JABALPUR, INDIA

Lesion Segmentation of Fundus images | May 2023 - July 2023

- Developed own **U-Net architecture** for retinal image segmentation on IDRiD datasets. **Collaborated** with researchers and analyzed performance for accurate retinal segmentation.
- Achieved a commendable average **AUC of 0.63** & **Dice Score of 0.50** on the diverse IDRiD dataset.
- Accomplished an excellent **98% accuracy rate** in lesion segmentation, enabling precise identification and quantification of retinal lesions.

TECH STACK: DEEP LEARNING KERAS CNN U-NET TENSORFLOW

## PROJECTS

### DIAGNOSYS | DEEP LEARNING |

Feb 2023 - May 2023

- Built a **medical solution** site using **deep learning** for 4 diseases with deep learning models like **VGG-16**, **VGG-19**, and **ResNet-50** for image classification.
- Designed a user-friendly interface for **medical image** upload and instant health feedback with user **satisfaction of 80%**.
- Validated model **accuracy of 80%** and reliability through rigorous testing and evaluation with **large-scale medical datasets**.

TECH STACK: CNN DEEP LEARNING HTML CSS JAVASCRIPT FLASK

### DEV DETECTIVE | WEB DEVELOPMENT |

March 2023 - May 2023

- Developed a responsive web app using Tailwind CSS, JavaScript, and **GitHub APIs** to automate user profile data retrieval.
- Resulting in 70% reduction of access time and **20% increase** in user engagement.
- Employed version control tools, such as Git, to manage code changes with a **95% user satisfaction rate**.

TECH STACK: HTML TAILWINDCSS JAVASCRIPT APIs

## TECHNICAL SKILLS

**LANGUAGES :** C/C++, Python, Javascript

**TOOLS & PLATFORMS :** Colab, GitHub, VSCode, Vercel, Anaconda

**DATABASES :** MongoDB, MySQL

**FRAMEWORKS & LIBRARIES :** TailWindCSS, Bootstrap, React.js, TensorFlow, Keras

## RESPONSIBILITIES

### TECHNICAL COMMITTEE MEMBER

- Led a team of 5 members to **organize** and **conduct** technical events at **inter-institute** and **intra-institute** levels.
- **100 % sponsor** satisfaction attained through **collaboration** with sponsors.

### CLASS REPRESENTATIVE

- Effectively **managed** and **coordinated** a class of 70+ members.
- Resolved **90%** of issues to improve class performance & productivity.