

Ruchir Dhiman

Computer Science and Engineering Graduate
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EDUCATION

Degree/Certificate	Institute/School(Board)	CGPA/Percentage	Year
B.Tech	Jaypee University of Information Technology, Solan	6.97	2021-2025
Senior Secondary	Acme Public School Hamirpur (H.P.B.O.S.E)	89.4%	2021
Secondary	Him Academy Public School Vikasnagar (CBSE)	72.2%	2019

EXPERIENCE

• National Institute of Technology

Machine Learning Intern

- Developed a diabetic retinopathy detection system using Convolutional Neural Networks (CNN), achieving a 95% accuracy rate, significantly improving early diagnosis and intervention.

June. 2024 - July. 2024

Hamirpur(H.P.) , India

PROJECTS

• Restaurant Photo Tagging using CNN

[\[Github\]](#)

- Classified images into food, ambience and menu categories using a custom dataset.
- Developed and trained a VGG16 CNN model to classify images into categories.

• Diabetic Retinopathy Detection using CNN

[\[Github\]](#)

- Developed a deep learning model using CNN Resnet 50 Model to detect diabetic retinopathy from retinal images.

• Image Search Engine

[\[Live Demo\]](#)

- Built a webpage using HTML, CSS, and JavaScript to search and display images via API integration.

• Real Estate Webpage

[\[Live Demo\]](#)

- Designed a webpage for Real Estate using HTML, CSS, and JavaScript.

• Encryption and Decryption of Text

[\[Live Demo\]](#)

- Developed a web application for text encryption and decryption using AES, DES, and Vigenère Cipher algorithms.

• Portfolio

[\[Live Demo\]](#)

- Created a portfolio for myself using HTML, CSS and Javascript.

TECHNICAL SKILLS

- **Programming :** JavaScript, HTML, CSS, Python, C/C++
- **Operating Systems:** macOS, Windows
- **Tools:** Git, Github, VS Code, Figma, Wordpress, Adobe Photoshop, iMovies, Microsoft Office,
- **Soft Skills:** Teamwork, Adaptability, Communication

CERTIFICATES

- Infosys Certificate in Network Security
- Infosys Certificate in Python Foundation
- Infosys Certificate in Data Science
- Infosys Certificate in Applying Predictive Analysis

ACHIEVEMENTS

- Authored a chapter titled "Chatbots in Healthcare" in the book "3D Modeling in Healthcare: Transforming Medicine with Advanced Technologies", accepted for publication after review.
- Secured first place in the Bio-Hackathon at JUIT organised by JYC.
- Bronze Star in Python, and Problem Solving (HackerRank)

