

Ritik

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ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
Aug 2021 - Present	B. TECH in Computer Science	Graphic Era University, Dehradun	9.29/10.0
May 2020	Class XII	Bishop Conrad Senior Sec. School	94.8
May 2018	Class X	Bishop Conrad Senior Sec. School	90

PROJECTS

- **Digit Recognition (Dec 2022 - Feb 2023):** [Github](#)
(Guide: Prof. Narayan Sharma)
 - Developed an **artificial neural network classifier** using a hybrid model of CNN and LSTM for recognizing handwritten digits.
 - **The model is trained and tested using an MNIST dataset consisting of 60,000 images.**
 - It gives an accuracy of **98.75%**.
- **Loan Approval System (May 2023 - July 2023):** [Github](#)
(Guide: Prof. Garima Sharma)
 - **Developed a Loan Approval System** used to predict whether a person is eligible for issuing loan from a bank based on a certain number of parameters .
 - The model is developed using **SVM machine learning algorithm**.
 - It achieves an accuracy of **93.55%** on test dataset.
- **Mental Health Therapist Based Chatbot (Nov 2023 - Dec 2024) :** [Github](#)
(Guide: Prof. Guru Prasad)
 - Developed a Mental Health Therapist based chatbot using **seq2seq model** in Machine Learning.
 - It is a retrieval-based chatbot with an additional feature of allowing user to enter the answer of the query which the chatbot doesn't know and later adding it in the response.
 - It gives an accuracy of **92.67%** on test dataset.
- **Food Ordering Web Application (Feb 2024 - April 2024):** [Github](#)
(Guide: Prof. Parul Madan)
 - Developed a Food-Ordering web application using **MERN stack** from conception to launch.
 - For secure transactions used **Stripe** as payment gateway.
 - It has an additional option for booking dine-in restaurants as per user's choice.
 - Further used **Render** platform to deploy it on the Web.

TECHNICAL SKILLS

- **Programming Languages :** C, C++, Python, Java, Javascript.
- **Tools and Frameworks :** Linux, ReactJS, NodeJS, ExpressJS, Flask, PHP, HTML, CSS.
- **Databases :** MySQL, MongoDB.
- **Machine Learning Tools :** Tensorflow, scikit-learn, keras, Neural Networks.

ACHIEVEMENTS

- **Code For Good 2024 Participant:** [Certificate](#)
 - Selected for CodeForGood Hackathon 2024 conducted by **JPMorgan&Chase**.
 - Developed a full-stack web application using **MERN stack** for **Best Practices Foundation**, a Non-Profit organisation, caters to teaching rural people who are poor and illiterate some basic business concepts through a gamified version so that they can increase their income by doing small businesses with their day-to-day work.
- **Internal Hackathon for SIH 2023 Winner:** [Github](#)
 - Developed a **crowd management and crime prevention system for Railways** which uses existing CCTV network for implementation and designed using **YOLO and Deep Learning Algorithms**.
 - It was a university-level competition in which our team of 5 members was declared the winner.
- **Competitive Programmer:** [Leetcode](#) , [Codestudio](#)
 - Completed **700+ questions** in Data Structures and Algorithms across various coding platforms enhancing proficiency and problem-solving skills.