

HIMANSHU RAWAT

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Objective

Final year Computer Science undergraduate with strong interest in full stack development. Dedicated and creative in building useful and modern web applications. Experienced with MERN stack, REST APIs, and deployment on Vercel/Netlify. A problem solver who is eager to learn and contribute through an internship opportunity.

Education

Graphic Era Hill University, Dehradun <i>B.Tech in Computer Science and Engineering</i>	2022 - 2026 7.6/10 CGPA
Kendriya Vidyalaya ITBP, Dehradun, Uttarakhand <i>12th Class Intermediate</i>	2021 - 2022 87%
Kendriya Vidyalaya ITBP, Dehradun, Uttarakhand <i>10th class High School</i>	2019 - 2020 85 %

Projects

Shreedhan Homestay Website <ul style="list-style-type: none">Designed this website for my late grandfather's homestay in hometown for booking and showcase.Built with React.js, styled using Tailwind CSS for responsive UI.Integrated Node.js + Express.js APIs for backend services.Used MongoDB to store booking history and implemented user authentication.	Live Demo
Handwritten Digit Recognition using MNIST Dataset <ul style="list-style-type: none">Built a CNN-based classifier which classifies digits from the MNIST dataset with 98% accuracy.Applied optimizations like dropout, batch normalization, and Adam optimizer.Deployed the model using Flask with a simple web interface to predict user-drawn digits.	Source Code
Page Replacement Algorithm Simulator (Team Project) <ul style="list-style-type: none">Built a web-based simulator for FIFO, LRU, MRU, and Optimal page replacement algorithms.Developed with React.js and designed using Tailwind CSS for interactive UI.Implemented real-time visualization of page hits/faults using dynamic Pie and Bar charts.Created backend with Node.js, Express.js, MongoDB and deployed on netlify.	Source Code
Online C Compiler <ul style="list-style-type: none">Created an online C compiler with ReactJS frontend and C++ backend engine.Integrated REST APIs (Node.js + Express + Redis) for job handling, and MongoDB for storing code history.Deployed on Vercel for scalability and accessibility.	Source Code

Technical Skills

Languages: Python, Java, C/C++, JavaScript
Backend: Node.js, Express.js, PHP
Frontend: React, TailwindCSS, HTML, CSS, Bootstrap
Clouds & Databases: MongoDB, SQL, Firebase
Web Technologies: WebSockets, API Integration, RESTful Services, HTTP, DOM
Machine Learning: TensorFlow, Keras, Convolutional Neural Networks (CNN)
Developer Tools: VS Code, GitHub, Vercel/Netlify

Position of Responsibilities

- Manager** - Managed a club with **800+ members**, overseeing operations and engagement.
- NCC Cadet** - Developed discipline, leadership, and teamwork through rigorous training and experiences.
- Stage Performer** - Beatboxer and vocal percussionist, performed at various events and competitions.
- Table Tennis National Player** - Competed at the national level, demonstrating skill and sportsmanship.