

Priyanshu Bisht

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Education

B.Tech in Computer Science & Engineering, Graphic Era University, Dehradun

CGPA: 9.56 / 10.0

Aug 2023 – Jul 2027

Relevant Courses: C, C++, OOPS, Data Structures

Class 12th, Rainbow Public School, Rudrapur

Percentage: 94.8%

Apr 2022 – Apr 2023

Projects

Civic Issue Complaint Management Platform – Live Demo React, Node.js, FastAPI, Supabase, TailwindCSS

- Build a **full-stack solution** for citizens to report civic issues using **imageuploads, voiceinputs & geolocation tagging**.
- Developed User & Admin Dashboards for **submitting complaints, status updates, Map-based visualization**.
- Uses a **responsive Flask + JS frontend dashboard** for ML-based categorization and visualization of results.
- Deployed on **Render (APIs & ML)** and **Vercel (Frontend)** providing responsive UI with **React + Tailwind**.

Wildlife Patrol Optimization App – Live Demo

HTML, JS, Graph Algorithms, Mongo DB

- Developed an web application that optimizes patrol routes for over **10 ranger stations** using graph algorithms.
- Employed Kruskal's MST, Ford-Fulkerson, and Bellman-Ford for **path planning and coverage study**.
- Permitted patrol route efficiency increase up to **40%** compared with base patrol patterns.

Image Recognition Using CNN

Python, TensorFlow, CNN, OpenCV

- Trained a CNN model with over **92%+ classification precision** over 5+ image classes based on TensorFlow.
- Reduced overfitting by **30%** using image augmentation and dropout layers.
- OpenCV integrated for **real-time processing of images**.

Personal Finance Management System

HTML, CSS, JS

- Finance-Manager, is an online platform that allows users to manage their finances effectively.
- Enable users to track their incomes, expenses and prominent financial health.
- Better control over their financial situations, make informed decisions and achieve their financial goals by better analysis.

Skills

Languages: C, C++, Python, JavaScript, Java

Development: HTML, CSS, JavaScript, Node.js, Flask

Version Control: Git, GitHub

Databases: MongoDB, MySQL

Soft Skills: Collaboration & Teamwork, Public Speaking, Open to Feedback, Communication

Achievements

- **2-Star Coder (1480 Max Rating)** on [CodeChef](#)
- Solved **350+ questions** on [LeetCode](#)
- Competed among more than 30 teams in IdeathonX hackthon organised by Graphic Era University, Dehradun and came out as Runner up.

Extracurricular Activities

- **Project Team Member**, Team Designnovation Hub – Graphic Era University
- **Qualified NDA SSB Screening Round**

Aug 2024 – Aug 2025