

ANKUSH RAWAT

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Education

Graphic Era Hill University, Dehradun (1st Year)

B.Tech in Computer Science & Engineering

2023 - 2027

9.55/10 CGPA

Experience

SWAYAM NPTEL Online Courses (IITs: Kanpur, Kharagpur, Madras)

Dec 2023 – Oct 2024

Completed 4, 8, and 12-week courses

Online

- Successfully finished **3+ industry-recognized courses** in **C Programming**, **Data Science**, and **Cloud Computing**, enhancing proficiency in software engineering, cloud infrastructure, and data analytics.
- Achieved a **Top 5%** ranking out of **2500+ students** in *Introduction to Programming in C* (IIT Kanpur), earning the **Silver Medal Certification** for exceptional academic performance.
- Acquired expertise through coursework led by premier IITs: **IIT Kanpur**, **IIT Kharagpur**, and **IIT Madras**, bolstering credentials in software development and cloud solutions.

CodingNinjas - Dominator Challenge

Dec 2023

30-Day Coding Challenge

Online

- Completed **30 coding challenges** in a competitive environment, honing algorithmic design and logical reasoning skills.
- Ranked **27th out of 1000+ participants**, demonstrating proficiency in coding efficiency, accuracy, and solution optimization.
- Maintained a **90% success rate** in completing tasks within strict time constraints, highlighting performance under pressure.

Projects

Personal Website & Calculator Application

- Engineered a responsive personal website using **Bootstrap** and **Django**, incorporating a calculator with **Python** and **PyQt5**.
- Deployed the website on **Heroku**, integrating **user authentication** and optimizing performance with a page load time of **less than 3s**.

Olympic Data Analysis System

- Developed a data analysis system using **Python**, **SQL**, and **Pandas** to forecast medal trends with **80%+ accuracy**.
- Visualized key trends with **Matplotlib**, improving prediction accuracy by **10-15%** through data-driven insights.

Forest Fire Detection System (ML)

- Engineered a **Forest Fire Detection System** using **Machine Learning** and **Neural Networks**, achieving **94%+ accuracy** in real-time detection.
- Enhanced the model with **TensorFlow** for **satellite image analysis**, accelerating detection time by **30%** compared to traditional methods.

Technical Skills

Languages: Python, C++, C

Backend: Django

Frontend: HTML, CSS

Clouds & Databases: Google Cloud, MySQL

Developer Tools: Google Colab, Jupyter, GitHub

Achievements

750+ DSA Problems Solved

May 2023 – Nov 2024

LeetCode, Codeforces, CodingNinjas & CodeChef

Online

- Solved over **750+ DSA problems**, enhancing skills in algorithms, data structures, and optimization techniques.
- Secured a **Global Rank of 5713** (Top 7%) on LeetCode and ranked **4555** globally on CodeChef, demonstrating consistent competitive performance.

NPTEL Certifications

Sep 2023 – Nov 2023

IIT Kanpur, IIT Kharagpur

Online

- Top 5%** in *Introduction to Programming in C*, earning the Elite + Silver Certification from **IIT Kanpur**.
- Elite & Silver Medal Certification** in *Google Cloud Computing Foundations* from **IIT Kharagpur**.