

KARAN SINGH RAWAT

☎ +91 9310546654 ✉ karansr09@gmail.com [in LinkedIn](#) [Github](#)

Education

Graphic Era Hill University, Dehradun

Masters in Computer Application (MCA)

2023 - 2025

8.0/10 CGPA

Maharshi Dayanand University, Rohtak

Bachelor's of Computer Application (BCA)

2020 - 2023

7.5/10 CGPA

Projects

API Configuration Handler (*Python, YAML, JSON, OOP*)

- Developed Python-based API configuration management system with multi-environment support, YAML/JSON parsing, and dynamic endpoint handling using object-oriented design principles
- Built comprehensive configuration validation framework featuring automated error detection, type conversion, and environment-specific overrides to ensure reliable API deployments
- Implemented scalable configuration handler supporting multiple data sources (files, environment variables, dictionaries) with export/import capabilities and modular architecture for enterprise applications

Online Note Sharing System (*PHP, MySQL, HTML/CSS, Bootstrap*)

- Built a dynamic web application that allows students and professionals to upload, access, and share educational notes and documents in a centralized platform, promoting collaborative learning and streamlined resource sharing.
- Implemented user authentication, file upload/download features, and a role-based dashboard using PHP and MySQL.

Budget Tracking System (*Python, Streamlit, Pandas, Plotly, CSV*)

- Developed a Python-based Budget Tracking System to efficiently manage and monitor personal finances.
- Implemented features to record income, categorize expenses, and generate real-time financial summaries.
- Integrated data visualization using Matplotlib to display spending trends and budgeting insights.

Technical Skills

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

Backend: Django, Node.js,

Frontend: HTML, CSS

Clouds & Databases: Oracle SQL

Developer Tools: VS Code, Git, GitHub, Postman

Devops: Docker, Github Action

Course

Data Structure in Java

- Have done a course on Data Structure in Java from the **Coding Blocks** where I learned the different data structure and how to implement them.

Google Data Analytics

- Gained practical skills in data cleaning, analysis, and visualization using spreadsheets, SQL. Covered end-to-end data analytics lifecycle.

Algorithmic Competitions/Achievements

- Solved 100+ coding problems on platforms like LeetCode, HackerRank, and Codeforces to strengthen data structures and algorithm skills.
- Active member of Google Developer Group (GDG) – Engage in community-led tech events, workshops, and hands-on sessions to enhance development skills.