KARAN BHAKUNI

DEHRADUN,UTTARAKHAND

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EDUCATION

GRAPHIC ERA HILL UNIVERSITY   **08 2023 – 07 2025**
*MCA - **CGPA - 8.4***   *Dehradun, Uttarakhand*

SSJ University, Almora   **07 2020 – 07 2023**
*BCA - **Percentage - 73%***   *Almora, Uttarakhand*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Cloud Computing
- Database Management System (DBMS)
- OOPS Concept
- Web Development
- Software Engineering

INTERNSHIP

Edunet Foundation ⧉   **06 2024 – 08 2024**
Frontend Developer

- Collaborated with a team of developers to design and implement user-friendly web interfaces using HTML, CSS, and JavaScript. Contributed to the development of responsive web applications, improving user engagement and experience across various devices.

Whizbee Technologies LLP   **01 2025 – Present**
Software Developer Intern

- Developed real-time applications for the **ESP32-S3** microcontroller using **C**, **C++**, and **LVGL**.
- Built a peer-to-peer chat app using **ESP-NOW** protocol for seamless device communication.
- Synchronized the **RTC module** using **NTP (Network Time Protocol)** for accurate real-time updates.
- Implemented a **REST API** using **Django Rest Framework (DRF)** to connect with **ESP32**, enabling transmission of **beacon IDs** and **device names** to track a person's location. Integrated the API with a **dashboard** that visualizes user activity based on real-time data.

PROJECTS

India Insider ⧉ | Python, Data Analysis, EDA, Pandas, Plotly, Streamlit   **07 2023**

- The India Insisder Dashboard is a web application that allows users to visualize various demographic and socio-economic indicators across different states and districts in India. The app provides various visualization options, including scatter plots to help users gain insights into the data..
- Users can compare different states based on primary and secondary parameters selected from a dropdown menu. The results are displayed in a bar chart and scatter plot for easy comparison. .

Acadmic Notes ⧉ | HTML, CSS, Javascript,Python,Django   **03 2024**

- "Academic Notes" is a Django-based web app facilitating note-sharing between teachers and students. Featuring separate logins, the platform aims to streamline the exchange of course materials, assignments, and study resources.
- It aims to streamline academic collaboration. It plans to offer additional features for enhanced user experience.

TECHNICAL SKILLS

Languages: Python, Java, C,C++, JavaScript, SQL
Developer Tools: VS Code,Intellij Idea, Postman
Technologies/Frameworks/Libraries : Linux, Git, GitHub, Django, LVGL, Pandas, Plotly, Gitea

CERTIFICATIONS

- Full Stack Web Devlopement - Udemy
- 100 days of code : Python