Dhruv Aggarwal
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ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
Sep, 2022 - Present	B.TECH in Computer Science	Graphic Era University Dehradun	9.45/10.0
2022	12^{th}, $C.B.S.E$	Nirmal Deepmala School (NDS)	90.20 %
2020	10^{th}, $C.B.S.E$	Nirmal Deepmala School (NDS)	89.80 %

PROJECTS

- **Big Integer Library** (Sep, 2023 - Oct, 2023) : Engineered a custom library in C to handle very large integers, using linked lists to manage the data. This project included creating functions for basic arithmetic operations like addition, subtraction, multiplication and division. It also involved creating utilities for converting between strings and the linked list representation, focusing on efficient memory use and performance.

- **Banking Management Software** (Nov, 2023 - Dec, 2023) : Engineered a banking management software using C++ and object-oriented programming principles. The software supports account management, transaction processing and generating reports. I emphasized maintaining data integrity and security throughout transactions and the system includes a user-friendly interface that allows multiple users to access and perform operations concurrently.

- **Notes Management System** (Mar, 2024 - Apr, 2024) : Engineered a Notes Management System using PHP, enabling users to create, read, update and delete notes. The system includes secure user authentication and authorization. The front end is designed with HTML, CSS and JavaScript to be responsive, ensuring it works well on various devices, while focusing on data security and efficient database interactions.

- **Digit Recognition** (Apr, 2024 - May, 2024) : Engineered a digit recognition model using deep learning neural networks, achieving 97.6% accuracy on the MNIST handwritten digit dataset. The project involved extensive data preprocessing, training the neural network and optimizing its performance using Python with TensorFlow/Keras. Key aspects included fine-tuning the model for improved accuracy and ensuring its robustness across various handwritten digits for real-world applications.

- **Personal Portfolio** (May, 2024 - June, 2024) : Engineered a personal portfolio website using HTML, CSS, and JavaScript to highlight my projects, skills and professional experiences. The site includes detailed descriptions of my work, skill showcases and a responsive design to ensure it looks good and functions well on various devices. The goal was to create a strong online presence for potential employers or collaborators.

TECHNICAL SKILLS

- **Languages C** (proficient), **C++** (proficient), **Python**, **HTML**, **CSS**, **Javascript**, **Java**, **PHP**, **SQL**.

- **Machine Learning Tools** Tensorflow, scikit-learn.

SCHOLASTIC ACHIEVEMENTS

- **Mentored more than 200 students in Krishna Consciousness -** Delivered personalized spiritual mentorship and instruction, nurturing individual's and practice of Krishna Consciousness principles.