

DIVYANSHU PANDEY

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Education

Graphic Era Hill University

Bachelor of Technology in Computer Science and Engineering

Oct 2021 — June 2025

Uttarakhand

Shiksha Bharati Sr. Sec. School

Higher Secondary

March 2019 — July 2021

Khatima — Uttarakhand

Experience

Trusting Brains

Internship

October 2023

Remote

- Trained extensively in Python, SQL, and MERN full stack application development, Utilized ReactJS, MongoDB, Express Framework, HTML5, CSS3, and Bootstrap to create this project.
- Designed an application enabling users to book holiday trips with features like user registration, login, city availability, cost calculation, advance booking, itinerary display, and trip cart management.

I-Neuron Internship

Internship

October 2023 — December 2023

Remote

- Created distributed data processing pipelines using cloud technologies, cutting data processing time by 25%.
- Improved deep learning model efficiency by 25% through optimizing neural network architectures, significantly enhancing training times and prediction accuracy

Projects

Attendance Management System | Machine Learning, OpenCV, SQL

Oct 2024 – Present

- Refined database schemas and created advanced indexing techniques, reducing query execution time by 60%, which enhanced application performance and user experience, leading to a 40% increase in user satisfaction.
- Automated attendance tracking for 100+ students, resulting in a 50% reduction in administrative workload.

Handwritten Digit Recognizer | Python, Keras, CNN, OpenCV

Mar 2024 – July 2024

- Developed a robust digit recognition system achieving 98% accuracy on the MNIST dataset by implementing a Convolutional Neural Network (CNN) using Keras and TensorFlow.
- Optimized model performance, resulting in a 30% reduction in training time by applying advanced preprocessing techniques, including image normalization and reshaping.
- Enhanced system versatility measured by successful recognition of custom handwritten digits by incorporating OpenCV for real-time image processing and integrating it with the trained neural network model.

Library Management System | C++

Oct 2022 – Dec 2022

- Designed a system that allows users to add, update, delete, and search for books, making it easy for library administrators to manage a large collection efficiently.
- Implemented a straightforward interface that enables users to navigate and perform tasks easily, crucial for smooth user interaction and reducing the learning curve.
- Focused on implementing basic CRUD (Create, Read, Update, Delete) operations, highlighting core software development skills, including database management and user interface integration.

Skills

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

Developer Tools and Platforms: Open CV, Visual Studio Code, MySQL

Soft Skills: Communication, Teamwork, Leadership

Coursework: DSA, Machine Learning, DBMS, OS, CN