

ABHINAV DWIVEDI

Kanpur, Uttar Pradesh

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EDUCATION

Pranveer Singh Institute Of Technology, Kanpur

2021 – 2025

B.Tech - Computer Science and Engineering(AIML) - **CGPA - 7.3**

Kanpur, Uttar Pradesh

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Design & Analysis of Algorithms
- Database Management System
- Machine Learning
- Oops Concepts
- Web Technology
- Artificial Intelligence
- Cloud Computing
- Computer Networks

PROJECTS

Social-Distancing-Detection-System  | Python, YOLOv3, OpenCV, COCO, Google Colab **2023-2024**

- Employs sophisticated AI algorithms and computer vision technologies to detect and measure the distance between people with an accuracy ranging from **55-60%**.
- Continuously collect data on crowd density and keeps analysing the movement patterns.
- Utilizes the Pre-Trained COCO (Common Objects in Context) dataset, which contains over **3,30,000** labelled images.
- Uses Python Language and framework OpenCV for the development, easy integration and implementation of the detection system with overall accuracy varying from **75-80%**.

E-Commerce Website  | HTML, CSS, JS, jQuery, PHP, XAMPP, MySQL, Notepad++ **2021-2023**

- Front-End & Back-End Technologies (HTML, CSS, JavaScript, jQuery, PHP, MySQL).
- Displays decent User management features such as user registration and login with overall security up to **90%**.
- Implemented an advanced shopping cart system with add/remove features and item management; accelerated checkout process by **50%**, leading to a **20%** increase in completed transactions within three months.
- Hosts on XAMPP for Local Development to set up **70%** secured local development environments for website traffic.

User-Interaction-System  | Python, Tkinter, phone numbers, Pyttsx3, Python IDLE **2020-2021**

- Tkinter develops a simple and intuitive graphical user interface (GUI) with **90%** transparency.
- Facilitates seamless and offline data storage and retrieval with SQLite that provides **100k hits** per day.
- Incorporates text-to-speech functionality using python's **pyttsx3** library to provide auditory feedback and adds an interaction layer with **95%** accuracy.
- Utilizes the phone numbers library to validate, parse, and format phone numbers and geo-codes with a decent accuracy of **95%**.

TECHNICAL SKILLS





Database: MySQL, SQLite

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

Technologies/Frameworks: Tkinter, jQuery, HTML CSS JS, Pandas, GitHub, ReactJS, Git

Developer Tools: Colab, VS Code, IDLE, Notepad++, XAMPP, MS Excel, MS Word, Canva

CODING PLATFORMS

- Codeforces Max Rating **810** within just **10** contests. 
- I have Solved **more than 450** Problems on **GeeksForGeeks**. 
- Resolved **over 600** Problems on **Codechef** with Max Rating **1492**. 
- Satisfactorily answered **850+** Problems on **Leetcode** with more than **15** badges and a Max Streak of **223** days. 

CERTIFICATIONS

- Mastering the JavaScript on **Feb 1, 2024** - Infosys Springboard
- Introduction to Artificial Intelligence on **Aug 21, 2023** - Infosys Springboard
- Introduction to Natural Language Processing on **Feb 1, 2024** - Infosys Springboard
- Certification on Database Management System Part 1 on **Feb 2, 2024** - Infosys Springboard

EXTRACURRICULAR

- I Cleared Flipkart grid **5.0** round **1**.
- I Contributed **2** DSA-based problems on different coding platforms.