

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
- Object Oriented Programming
- Database Management System
- Operating System

PROJECTS

Social-Distancing-Detection-System [↗](#) | Python, YOLOv3, OpenCV, COCO, Google Colab **2023-2024**

- Utilizes advanced AI algorithms and computer vision technologies to accurately detect and measure the distance between individuals, achieving an accuracy rate of **75-80%**.
- Continuously gathers data on crowd density and analyzes movement patterns in real-time.
- Employs the Pre-Trained COCO (Common Objects in Context) dataset, consisting of over **330,000** labeled images for enhanced model training.
- Utilizes Python programming language and the OpenCV framework for developing, integrating, and implementing the detection system, achieving an overall accuracy of **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).
- Offers robust user management features, including user registration and login, with security measures ensuring up to **90%** protection.
- 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, configuring a **70%** secure local environment to manage website traffic effectively.

User-Interaction-System [↗](#) | Python, Tkinter, phone numbers, Pyttsx3, Python IDLE

2020-2021

- Develops a simple and intuitive graphical user interface (GUI) using Tkinter, featuring **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.
- Employs the Phone Numbers library to validate, parse, and format phone numbers and geocodes, achieving an accuracy rate 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 550** Problems on **GeeksForGeeks**. [↗](#)
- Resolved **over 600** Problems on **Codechef** with Max Rating **1492**. [↗](#)
- Satisfactorily answered **950+** 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 programming platforms.