

Anubhav Sharma

COMPUTER ENGINEERING-FOURTH YEAR UNDERGRADUATE

Thapar Institute of Engineering And Technology ·

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Education

Thapar Institute of Engineering And Technology

BACHELOR OF ENGINEERING, MAJOR IN COMPUTER ENGINEERING

- Cumulative Grade Point Assessment / **CGPA: 9.00/10.0**

Patiala, India

2018 - Present

DAV Public School

SECONDARY, HIGHER EDUCATION

- Grade 12 **CBSE Boards Percentage: 91.0 %**
- Grade 10 **CBSE Boards Cumulative Performance Index/CGPA: 10.0/10.0**

Amritsar, India

2001 - 2017

Skills And Relevant Coursework

Languages C/C++, Python, SQL

A Computer Programming	A Operating Systems	A Data Structures
A Optimisation Techniques	A Database Management System	A- Artificial Intelligence
A Data Science Fundamentals	A Introduction to Cyber Security	A- Machine Learning

A: Grade pt.10 * : Ongoing/Grades not released

Personal Development Work Experience

WORK

- Research Scholar: Under Dr. Karamjeet Singh, Asst. Prof TIET, Patiala Sept. 2020 - Ongoing
Improved transfer learning classification accuracy for detection of COVID-19 from a Chest X-ray sample through deep learning (CNN) using fusion techniques

SOCIETIES

- Tech Member Microsoft Student Chapters, TIET Aug. 2018 - May. 2019
- Tech Member Entrepreneurship Development Cell, TIET Jan. 2020 - Present

Personal Projects

Computer Vision + AI based TicTacToe PYTHON

- Play TicTacToe with AI using the webcam. A grid is displayed on the webcam feed and the user is prompted to point to a block and make his move.
- Uses Minimax algorithm to simulate optimal computer moves.
- Extract contours inside the grid to detect finger location.

Virtual Voice Assistant for MAC/Windows PYTHON

- Intelligent string handling coupled with Voice Recognition, API services and Web Scraping
- Used Eel dependency to link python, HTML and bundled the entire assistant into a single executable file

Live COVID-19 Updates JAVASCRIPT, HTML

- Dynamic webpage showing real-time statistics of COVID-19 cases. Daily/Statewise/Graphs

Games

- Flappy Bird clone using p5.js for client-side graphics [github.com/sharma-anubhav/Flappy Bird.js](https://github.com/sharma-anubhav/Flappy-Bird.js)
- Space Invaders, a retro 2D shooter game using Pygame github.com/sharma-anubhav/SpaceInvasion
- Snake, the classic Nokia game implemented using linked-list in C++ github.com/sharma-anubhav/Snake

anubhav-sharma.com JEKYLL

- Web Blog with a curated collection of my programming projects and hobbies as a undergraduate