Bhuvanyu Walia

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Education

Thapar Institute of Engineering and Technology, Patiala — June 2026
B.E. Computer Engineering — *Current GPA: 8.84 /10*

The Frank Anthony Public School, New Delhi — June 2021
ICSE Board — *Percentage: 91.2 /100*

Experience

DRDO Scientific Analysis Group (SAG), Metcalfe House, New Delhi
Research Internship (December 2024 - January 2025)
- Worked on a complex project for implementation of Adversarial Evasive Attacks on Deep Learning Models using Fast Gradient Sign Method (FGSM) and researching on further fine tuning of the attack
- Learned concepts of Convolutional Neural Networks using Keras-tensorflow and computer vision using opencv library
- training completion certificate

Skills

- **Programming Languages** - C/C++, Java, Python, R, Matlab, SQL
- **Data Structures and Algorithms**
- **Databases** - MongoDB, MySQL
- **Front End Development & Frameworks** - HTML, CSS, Javascript Bootstrap, Tailwind, React
- **Back End Development Technologies** - Node, Express, Embedded Javascript (EJS)
- **Machine Learning and Deep Learning -** TensorFlow2
- **Computer Vision -** openCV, YOLO
- **Git and GitHub**

Projects

VasudhaX - Residential Society Management System
- Developed a Full stack web application along with SRS and complete documentation of its Development and Testing Life Cycle.
- Created an umbrella application for providing various services of a society's administration. Includes Posting announcements, providing payment gateway for fees payment, database management of residents, committee members and security guards, booking of community hall
- Developed for the actual society I am residing in Noida. currently under controlled and limited deployment for the society

WanderLust - AirBnB Clone Web Application
- Developed a Full Stack Web Application to replicate AirBnB by providing a number of listings of hotels.

Spotify Clone Web Application
- created a clone web application of spotify using HTML, CSS and Bootstrap

Fingers Detection Model
- Developed a computer vision model to detect the number of fingers raised using functions of openCV library

Links

Leetcode - https://leetcode.com/u/bwalia5/
GitHub - https://github.com/BhuvanyuWalia
LinkedIn - www.linkedin.com/in/bhuvanyu-walia-8ab77525b

Positions of Responsibility

SPICMACAY - Finance Secretary
NCC Army Wing : 5 Punjab Battalion - Corporal