Ayush Kaushik

B.E. Computer Engineering
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EDUCATION

Degree/ Certificate	Institute/ Board	CGPA/Percentage	Year
B.E.	Thapar Institute Of Engineering and Technology	8.53	2019-Present
Senior Secondary (Class 12th)	Central Board of Secondary Education (CBSE)	95.4	2019
Secondary (Class 10th)	Central Board of Secondary Education (CBSE)	10	2017

PROJECTS

- **Pushpak, A Smart Drone**
  Engineering Capstone Project (Ongoing) ⬡ *Github*
    - Enhanced the existing DJI TELLO drone and added functionalities like keyboard controls, hand-gesture controls, Face-tracking and line-following using Deep Learning and Image Processing.
    - Technologies Used: *DJI TELLO API, Python, Mediapipe, Tensorflow, OpenCV.*

- **Sorting Visualizer**
  Personal Project ⬡ *Github*
    - A powerful tool to visualize sorting algorithms: adjust speed, data size and even input custom data.
    - Technologies Used: *HTML, CSS, Javascript, ReactJS*

- **Leetcode Tracking Extension**
  Personal Project ⬡ *Github*
    - A chrome extension to keep track of your solved problems and platform performance.
    - Technologies Used: *HTML, CSS, Javascript, Chrome Manifest API*

- **Flower Image Recognition**
  Personal Project ⬡ *Github*
    - Classifying a set of images of flowers into 5 classes using Neural networks.
    - Technologies Used: *Python3, Tensorflow, OpenCV, Numpy*

- **Solar System Using OpenGL**
  Engineering Capstone Project ⬡ *Github*
    - Making a solar system using OpenGL through concepts like Translation, Rotation, and Scaling.
    - Technologies Used: *C++, OpenGL.*

Positions of Responsibility

- **Thapar Model UN Society**
  USG Operations   *July 2020- May 2021*
    - Organized Thapar Intra MUN 2020 and Thapar Inter MUN 2021
    - Undertook the task of marketing and converted online brands as sponsors.
    - Organized workshops for juniors, explaining them about MUNs.

- **Microsoft Learn Student Chapter, Thapar University**
  Executive   *August 2019- May 2020*
    - Organized a talk show, managing a crowd of 700+ students.
    - Organized Hacktoberfest and Makathon hackathons.
    - Participated in inter-hostel publicity.

Technical Skills

- **Programming Languages:** C/C++, Python, Javascript, Bash
- **Frameworks:** Nodejs, Reactjs, Numpy, Pandas, Tensorflow
- **Version Control System:** Git and Github
- **Databases:** MySQL, MongoDB

Courses Taken

- 2022 Web Development Bootcamp 🔗
- Artificial Intelligence and Predictive Analysis using Python 🔗
- C++ Beginner to Advanced 🔗
- Mastering Data Structures and Algorithms using C++
- Python Automation 🔗
- Python for Everybody 🔗 🔗

Virtual Internships

- JP Morgan Chase & Co. 🔗
- Goldman Sachs 🔗

Achievements

- Received Merit Scholarship Worth 3.18 Lakh INR awarded to top 35 students out of 2500 students.
- Solved 600+ questions on Leetcode and GeeksforGeeks combined.
- Best Delegate at Thapar MUN 2020
- Vice Chairperson IDB AMIGMUN 2018
- High Commendation at ModMUN 2017
- High Commendation at St. Stephens MUN 2017