

# AYUSH VERMA

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## Education

### Thapar Institute of Engineering and Technology

Bachelor of Engineering in Computer Science and Business Systems

CGPA: 9.05

Sep. 2020 – Current

### City Montessori School, Lucknow

Higher Secondary Education

95.8%

2018 – 2020

### St. Mary's Convent Inter College, Lucknow

Secondary Education

96.6%

2007 – 2018

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Machine Learning
- Flutter
- Pytorch
- Google Cloud Program
- Deep Learning
- Google Marketing

## Experience

### Pumpkart Ltd.

March 2021 – June 2021

Flutter Application Developer Intern

Remote

- Designed a complete front-end multi-platform e-commerce application having multiple user interfaces and states.
- Developed a backend in Dart using Paytm API for the payment portal and other dependencies and Flutter packages.
- Explored ways to send daily and weekly reports of bugs and fixes to the Senior Developer.

## Projects

### Style Transfer | Flutter, Pytorch, ngrok, Flask, Python

May 2021

- A Flutter Application for the deployment of a Style Mixing CNN that I trained to take the style of one image and apply it to the other and produce a final image.
- Link to the Project is [here](#).

### Chat App | Flutter, Firebase, Dart, Android SDK, Android Studio

May 2021

- Simple Group Chat Application made using Firebase Firestore Database.
- Link to the Project is [here](#).

### Flutter Walli | Flutter, Dart, Android SDK, Android Studio

June 2021

- Created a Flutter Application to download and show portrait wallpapers in a tile form
- Link to the Project is [here](#).
- Utilized the Flutter Navigator to create a UI for the application in order to allow different scenes to interact with each other.

### Hand Gestured Volume Control | Python, OpenCV, Google Mediapipe

March 2021

- Application that controls the Windows Volume Bar using Hand Gestures, recognised using Google Mediapipe Library.
- Link to the Project is [here](#).

## Open Sourced Contributions

### Intro to DL | Pytorch, Torchvision, Python

December 2021 - Current

- A learner's guide to Deep Learning implemented by Pytorch in Python.
- Link to the Project is [here](#).

### Guide to GANs | Pytorch, Torchvision, Python

November 2021 - January 2022

- A learner's guide to Generative Adversarial Networks (GAN) implemented by Pytorch in Python.
- Link to the Project is [here](#).

### Open CV Tutorial | Python, OpenCV

February 2021

- A guide to beginners to learn OpenCV library in Python to handle and play around with images
- Link to the Project is [here](#).

## Technical Skills

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**Languages:** Flutter, Dart, Python, Java, C, C++

**Developer Tools:** Google Cloud Platform, Google Colab, VS Code, Android Studio

**Technologies/Frameworks:** Pytorch, OpenCV, Pandas, Numpy, Matplotlib, Linux, GitHub, Gradle

## Leadership / Extracurricular

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### Google Developer Student Club

**September 2021 – Present**

*Core Member*

*Thapar Institute of Engineering and Technology*

- \* Currently a part of the Deep-Learning program started by the Leads and Core members of the society
- \* Managed Developers Student Club at Thapar University Society Fair 2021