

# AYUSH VERMA

Lucknow, India

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## Education

### Thapar Institute of Engineering and Technology

*Bachelor of Engineering in Computer Science and Business Systems*

CGPA: 8.99/10

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

## Experience

### Diool

March 2022 – Current

*AI/ML Intern*

*Remote*

- Generated Synthetic Data in the field of Fintech.
- Used Reinforcement Learning for Credit Assessment.
- Explored ways to send daily and weekly reports to the Product Manager.

### 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](#).

### Digital Vehicle | *Flutter, Postgres, Beekeep Studio, Android SDK, Android Studio*

February 2022

- Digitisation of RTO Office Processes on a user-friendly mobile app.
- 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:** Python, Java, Dart, C, C++

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

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

## Leadership / Extracurricular

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### Google Developer Student Club

**September 2021 – Present**

*Co-Lead*

*Thapar Institute of Engineering and Technology*

- \* Started 100-days-of-DSA for everyone to solve 3 problems each day to firm their grasp in data structures and algorithms.
- \* Currently managing the Deep-Learning program started by the Ex-Leads and Core members of the society.
- \* Managed Developers Student Club at Thapar University Society Fair 2021, Digital Village Hackathon 2022, Chimera 2022.