PRANJAL **GUPTA**

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EDUCATION

Thapar Institute of Engineering and Technology, Patiala, Punjab, IND
BE in Computer Engineering, (2019-23)
Overall CGPA (Till 3rd Semester):9.5/10
Springfields Public School(CBSE), Yamunanagar, Haryana, IND
CGPA 10th CBSE Boards Exams: 10/10
Percentage 12th CBSE Boards Exams: 95.4%

POSITIONS OF RESPONSIBILITY

Project Parishodhana, Project Lead
- An IoT based automated sanitizing booth with integrated COVID symptom identifier and record maintenance system.
- It records the temperatures of the people who have used it for sanitizing and uploads it to a cloud-based database accessible by the institution and the govt. authorities/hospitals (On the authorization of the institution)

Project MedScript, Project Lead
- A flutter application, that revolutionizes the way record handling, prescription recording, medical authenticity and appointment booking works.
- It helps the patients and doctors record and transcribe the appointment sessions as well as prescription into small byte sized text records using NLP and Computer Vision.

PROJECTS

Multi-Level Inverters and it's Fault Detection, Research Intern, October 2019 – Feb 2020
- Worked with Dr.Krishna Kumar Gupta and Dr.Rajesh Kumar to create a Switch Fault Detection Algorithm for Multilevel Inverters, a tool which detects and points out the malfunctioning switches in the inverter by analyzing the output waveform.
- Majority of my work included trying out different configurations of Inverter Circuits on MATLAB and testing various Machine Learning models on the gathered data.

Jazz Improvisation with LSTM, Assisted Project, August 2020 (Link)
- Applied an LSTM to generate jazz music
- Trained a RNN model to generate a sequence of numbers for Music

MLSC TIET Official Website, September 2020 (Link)
- Designed and implemented the entire back-end of the Microsoft Learn Student Chapter official website.
- Implemented automated testing using Travis CI.

CERTIFICATIONS/MOOCs/SELF-PACED LEARNING COURSES (Link)

Deep Learning Specialization	TensorFlow Developer Certification	Internet of Things
DSA in C++ (With Distinction)	Flutter Development with Dart	

LEADERSHIP

General Secretary, Microsoft Learn Student Chapter (Technical Student Club at Thapar Institute), May 2021
(Member since Fall 2019)
- Conducted successful boot-camps on topics ranging from Deep Learning to Web-Development with turnout of over 500 students.

Core Member, Linux User Group (Technical Student Club at Thapar Institute)
- Created awareness about the world of Open Source and Open-Source projects. Mentored people in making Open-Source contributions.

SKILLS

Programming Languages: C++, Python3, Dart, MATLAB, JavaScript, SQL
Frameworks/Libraries: Django, Flutter, TensorFlow, PyTorch, Flask, SK Learn, OpenCV
Miscellaneous: HTML, CSS, Embedded Systems

ACTIVITIES & HONORS

- Awarded the Merit Scholarship for being in the top 10% of my class at Thapar Institute for the session 2020-21
- NTSE Scholar, 2019