# PARTHIV A DHOLARIA

**CSE IIIT D 2025**

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## EDUCATION

### B.Tech in Computer Science & Engineering

**Indraprastha Institute of Information Technology, Delhi**

CGPA: 8.08 | IIIT-D 2025

### Senior Secondary Examination CBSE - Class XII

**BHAVANS PUBLIC SCHOOL, DOHA, QATAR**

Percentage: 94.2% | CBSE-2020-21

### Higher Secondary Examination CBSE - Class X

**BHAVANS PUBLIC SCHOOL, DOHA, QATAR**

Percentage: 96.2% | CBSE-2018-19

## POSITION OF RESPONSIBILITY

### WebDev Team Member @ Google Developer Student Club

- Organized & Managed intra and inter college Tech Events.

### Events-Team-Executive @ Salt N' Pepper food club

- Organized & Managed all events Activities.

## TECHNICAL SKILLS

- **Programming Languages**: Java, C, C++, Python, JavaScript
- **Web Development**: HTML, CSS, JavaScript and Django
- **Deep Learning: worked with TensorFLow and PyTorch**
- **Data Structures & Algorithm**
- **Object Oriented Programming  Operating Systems**
- **Computer Networks and Wireless Networks**
- **Database management and Sytems: MySql**
- **Tools and Technologies:** Figma, Bootstrap, VS Code, IntelliJ, MySQl Workbench, Oracle VirtualBox

## ACHIEVEMENTS

- **5th in Subtask 1 CodaLab Competition for the SemEval-2024 Task3 (Textual Emotion-Cause Pair Extraction in Conversations).**
- **89.78% accuracy on Google Speech Command Dataset(using GMM)**
- **59.798 % on Human activity recognition dataset from UCL(using KNN)**
- **School Topper in 12th CBSE Board exam 2021-22**

## INTERESTS AND HOBBIES

- **Machine Learning and AI.**
- **Development**
- **Learning about Finance and different Business model**
- **Stock Market**

## PROJECTS

### TECPEC: Textual Emotion-Cause Pair Extraction in Conversations

- This project addresses SemEval-2024 Task 3, Subtask 1 which focuses on extracting emotion-cause pairs from conversations.
- A two-step pipeline architecture is introduced to identify emotion-cause pairs.
- The first step involves emotion classification for the utterances using a novel architecture. This approach was compared with OpenAI's GPT 4.
- The second step utilizes a Question-Answer model to identify causes for the target utterance based on the identified emotions.
- The project ranked 5th in Subtask 1 CodaLab Competition for the SemEval-2024 Task3.
- parthivdholaria/TECPEC

### A Comparative Study on Convolution and Transformer based SOTA Object Detection models

- Reproduced the Official Paper's results for DETR and EfficientDet on COCO Dataset.
- Qualitative and Quantitative Analysis on an unknown dataset (PASCAL VOC 2012).
- Qualitative Analysis: Pros and Cons of both EfficientDet and DETR.
- Quantitative Analysis: TIDE Analysis.
- parthivdholaria/CV-Project.

### Optical Character Recognition(OCR):

- Classification of alphabets from A-Z and digits 1-9.
- Accuracy of 99.4% on testing dataset.
- Model: Multi-stacked model on KNN, SVM, RandomForest.
- Performed EDA and other pre-processing techniques.
- parthivdholaria/ML_Project_OCR

### Online Retail Store

- A Django Web application deployed with the help of AWS.
- Made use of HTML, CSS, Javascript on front end.
- Allows user to create account, user-verification, password reset, shipping facilities.
- Paypal API for payment , cart functionality , track orders, shipping functionality .
- parthivdholaria/OnlineRetailStore

### Tank Star Game

- Graphics designed using LIBGdX library from Java.
- Key Features: select tanks, Aim and Fire , control power and trajectory, movements, reset game, multiscreen.
- Implemented using OOPS.
- parthivdholaria/AP-TankStars