



EDUCATION

Chennai, India	IIITDM Kancheepuram	2019- 2024
<ul style="list-style-type: none">• B. Tech +Integrated M.Tech in Computer Engineering. CGPA of 9.36• Relevant courses: Linear Algebra, Calculus, Discrete Math, Pattern Recognition, Deep Learning, Image Processing, Computer Vision, Reinforcement Learning (Intro)		
Jamshedpur, India	DBMS English Medium School	2017- 2019
<ul style="list-style-type: none">• Higher Secondary Education in Science from ICSE Board. 93 %• Volunteer Experience: Member of School Student Body		

TOOLS & TECHNOLOGIES

- Python, Machine Learning, Deep Learning, DIP, CV
- MySQL, MongoDB, Netezza, Dbeaver
- Frameworks: Flask
- Cloud platforms - AWS, Google Cloud

EXPERIENCE

Machine Learning Intern	AMD India Pvt. Ltd.	May 2023 - Present
<ul style="list-style-type: none">• ML + RL based Predictive GPU analysis for Optimizing Gameplay		
Machine Learning & Analytics Intern	Titan Company Ltd.	May - July 2022
<ul style="list-style-type: none">• Forecasting Sales at National Level, Store level, Category Level, Stone Level.		
Machine Learning Intern	Tiny Banyan Technologies Pvt. Ltd.	Jan - May 2022
<ul style="list-style-type: none">• Trained YOLO for Pothole detection on video input. Plotted the pothole points on maps to know the quality of the road.		

PROJECTS

Predictive analysis for GPU tuning and gameplay optimization-

- Ensemble of **Random Forest + KNN + NN** Regressor trained for optimal GPU prediction.
- **4D Q Learning** model trained to tune GPU to achieve the best FPS during gameplay.

Text Summarization for Legal and Big news articles -

- **T5** model trained to summarize news articles.
- **Bert** was fine-tuned to do Phrase to Phrase matching for the same.

People Counter for Institute gate

- **MobileNet SSD** was used to detect people in a given frame, the movement was then tracked by use of the **center of the Bbox** to count the person in or out on a reference line.

Forecasting future sales for TITAN-

- **SARIMAX** and **LSTM** ensemble was trained to predict sales at the store, week, month, and stone level, etc.
- **Hyperparameter tuning** was done for the Sarimax parameters - (p,d,q,s).

Retinal image Disease Classification-

- **Unet model** is trained to detect healthy and diseased Retinal Images on Fundus Dataset

LICENSES AND CERTIFICATIONS

- [Intermediate Machine Learning](#) from Kaggle, May 2021
- [Pandas](#) from Kaggle, May 2021
- [Data Visualization \(Matplotlib\)](#) from Kaggle, June 2021
- [Intro to Deep Learning](#) from Kaggle, June 2021

ADDITIONAL EXPERIENCE AND AWARDS

Google Developers Student Clubs - LEAD for the academic year 2022 - 2023

- GDSC is set up in various institutes to raise awareness about various google technologies.