KRISHNA PREETISH REDDY PALLERLA

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EDUCATION

2020	**IIT Kharagpur** Dual degree(B.Tech+M.Tech) E&ECE CGPA-8.28/10
2015	**Board Of Intermediate Education Andhra Pradesh** Percentage: 97.3%

SKILLS

PROGRAMMING AND SOFTWARE	Python, C, Matlab, Git, numpy, Sklearn, Keras, opencv, pytorch, tensorflow, spacy
OPERATING SYSTEMS	Windows, Linux
RELEVANT COURSES	Programming and Data Structures, Machine Learning, Probability And Stochastic Processes, Signals And Systems, Algorithms

PROJECTS

Dec 2017 to Jan 2017 — SAiDL Winter 2017 Induction Assignment
1)Built and trained a CNN using pytorch on Oxford-IIIT Pets Dataset
2)Build a data-set stored in HDF5 les for a Noisy Auto-encoder which will take a noisy input and only output Sine-Waves.Trained a Auto-encoder in PyTorch for the same

Oct 2017 to Nov 2017 — Emotional Intelligence and Happiness
1)identified the traits of high emotionally intelligent people and low emotionally intelligent people and the words used on social media platform to describe them.
2)Trained a SVM with hand labelled twitter data using word vectors obtained from common crawl corpus using fast text algorithm
3)established a correlation between EI and Happiness by classifying the EI related tweets scraped using a hash tag based method

Feb 2017 to Apr 2017 — Eth Photo
1)Worked on frontend development for Decentralised photo sharing app using the Ethereum based blockchain and secured bronze medal in Inter hall Open-Soft competition.
2)Used Google maps API for sharing and searching images based on locations.
3) Developed GUI using material design template.
4) Implemented a search bar for Tag based search with auto-complete feature using JavaScript.

Dec 2016 to Dec 2016 — Winter Workshop
Implemented Several ImageProcessing Techniques using opencv and C++.

Jul 2016 to Nov 2016 — Comparison Of Impedance Matching Networks
Performed the reliability analysis of IMNs using Monte Carlo simulation in MATLAB under the guidance of Prof. Arijit De, E&ECE, IIT Kharagpur.
We studied and compared two possible L type IMNs and also compared single stage and multistage IMNs based on their bandwidths using MATLAB.

AWARDS

May 2015 — JEE Advanced
Secured a rank of 1185 among 1.5 lakh students

Apr 2015 — Andhra Pradesh Eamcet
Secured a rank of 48 among 2.5 lakh candidates

May 2017 — NCC-EME
Secured a B certificate of NCC

ACTIVITIES

2017 to Current — Opensoft · Vice captain
Vice Captain Of InterHall opensoft team

2017 to Current — Case Study · Member
Member Of Inter Hall Case Study Team

2016 to Current — Swimming · member
Member Of InterHall swimming and waterpolo team

VOLUNTEERING

Aug 2016 to Nov 2016 — Rural Development Program · Data Collection and analysis · Kharagpur
Collected Data about Health and Sanitary Conditions Of Villages around Kharagpur and provided a detailed analysis of how changes can be brought to the villages around Kharagpur