Mehthab Saheba Shaik

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github username: cheapkai

cheapkai

Education

2016–2020	**B.Tech. (Hons.), Electronics and Communications Engineering**, *International Institute of Information Technology (IIIT)*, Hyderabad, India, *CGPA - 7.95/10*.
2014–2016	**Senior Secondary, Telangana Board of Intermediate Education**, *Sri Chaitanya Junior College*, Hyderabad, India, *Percentage - 96.3*.
2012–2014	**Secondary, ICSE**, *Gitanjali Senior School*, Hyderabad, India, *Percentage - 95.33*.

Projects

C, **Linux Shell**.
[link] Created a bash shell with features like piping, redirection, background & foreground processes, etc.

Python, **Dropbox**.
[link] Used socket programming to develop a dropbox like application that downloads files from a peers storage directoryand vice-versa .

Python, **Bomberman**.
[link] Terminal-based game without the help of any User Interface library like ncurses, pygame, etc.

C++,CUDA, **Parallel Recommender System**.
[link] Implemented parallel SVD for learning recommender matrix.

Python,torch, **ANI-1 5 Molecules**.
[link] Implemented ANI-1 model using 5 NNPs to predict atomic energies from Bahler-Parinello Symmetry functions of molecules.

[Non-Technical] Too Short to Mushroom .
[link] Designed a Board game using elements from chess and ludo.

Python,tf **ANN-GA**.
[link] Optimized Neural Net model with genetic algorithm on mammographic masses dataset.

Python,pytorch **[ONGOING]Band-Gap Prediction of Perovskites**.
[link] m-smot on small dataset and classifier models /transfer learning.

MATLAB **[ONGOING]SM-NNC-PNLMAT**.
Tested set-membership and non-uniform centric constraints on proportionate NLMAT.

Relevant Courses Taken

Statistical Methods in AI,Computer Programming,Data Structures, Algorithms and operating Systems,ML for Natural Sciences, Adaptive Signal Processing,Discrete Mathematics, Communication Networks,Intro to Parallel Scientific Computing,Topics in Applied Optimization, Mobile Robotics