

Prasanth Rao Dustakar

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in prasanth dustakar

EDUCATION

IIIT Hyderabad

MTech in Computer Science

CGPA 8.6

SNIST Hyderabad

BTech in Computer Science and Engineering

CGPA 9.5

PUBLICATIONS

- “Classifying Fake News Articles Using Machine Learning Techniques”, (PiCES) – An International Journal.
- “A comparative study between Hungarian and Ant colony optimization algorithm for task”, International Journal of Scientific and Engineering Research Volume 11, Issue 2, February 2020.

PROJECTS

Posix Shell

Nov 2021

- Linux programming project using c++. Posix compatible shell is built with a subset of feature support of default shell.
- Besides existing shell features, extended features like tab completion support, alarms and open commands are implemented.

Peer-to-Peer Group Based File Sharing System

Nov 2021

- A P2P file sharing system like Bit Torrent implemented using socket programming, multi-threading and SHA1 hashing.
- Users can share and download files from the group they belong.

Retail Sales Forecasting Using Transaction Logs

Mar 2020 – Jun 2020

- Machine Learning project (Using Recurrent Neural Networks) trained on Google collab and deployed on Google cloud.
- A Long Shot Term Memory (LSTM) network for time series data analysis and prediction of future sales.
- The best results were shown for the history of 7 days with Mean Absolute Error of 13.2%.

Task Scheduling Using Cloud SIM

Jan 2019 – Mar 2019

- Scheduling simulated on Eclipse IDE using Java. Process of assigning tasks to virtual machines in an efficient manner using Hungarian Algorithm.
- The VM's processing speed (particularly in terms of MIPS) is considered for the scheduling technique

IT SKILLS

- C
- CPP
- Java
- Python
- Web Technologies(HTML, CSS, Javascript)

ACHIEVEMENTS

- Completed problem solving through programming in C in NPTEL in the top 5%.
- Qualified Gate with Rank 590.