

ADARSH ABHIJAT

4th Year IT Undergraduate, Indian Institute Of Information Technology, Allahabad

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Allahabad, India

EDUCATION

B.Tech in Information Technology

Indian Institute Of Information Technology Allahabad

August 2018 – Present

CGPA - 8.52/10.0 (Till 6th Sem)

Class XII CBSE

Sunbeam School, Varanasi

July 2015 – May 2016

Class X CBSE

Sunbeam School, Varanasi

July 2013 – May 2014

PROJECTS

Deep Reinforcement Learning For Demand Response Optimization In Micro Grids

July 2021

- Developed along with group members, an Reinforcement Learning model and a LSTM Environment , which predicts the future price of electricity, based on current Supply and Demand, such that profit is maximized and energy wastage is reduced. Compared Performance Of Actor Critic and REINFORCE Algorithms. Paper Accepted in ICCNT 2021 Conference in IIT - Kharagpur.
- Skills : OpenAI Gym, Reinforcement Learning, Deep Learning, Python , Py-torch

MUDI STREAM

June 2021

- Implemented a Dual Mode/Hybrid clustering algorithm for clustering evolving data stream with varying densities. Online phase forms Core mini clusters(CMC) and offline mode applies modified DBSCAN to form final clusters from the CMC.
- Skills : Machine Learning, Data Mining, Python

Real Time Weather Prediction

April 2020

- Developed along with group members, an application for real time Weather prediction using Data stream mining and Machine Learning Classification algorithms. The application was trained on various static data-sets and was used to predict the weather based on real time streaming weather data.
- Skills: Python , Pyspark , ScikitLearn

Graph Visualizer

November 2020

- Developed a JavaFx based application for graph visualization showing the connected components , plotting the graph , animation of shortest path and various other features related to graph editing.
- Skills : Java, JavaFX, Graph Theory.

Banking Application

October 2019

- Developed along with group members a JavaFx based application which emulates a full banking system with ability to create/delete accounts , make transactions with various details like transaction history and other banking related features, uses MySQL for backend.
- Skills : Java , JavaFx , MySQL

SKILLS

C C++ Python Java

FIELDS OF INTEREST

- Competitive Coding
- Data Structures and Algorithms
- Data Science
- Computer Organization

RELEVANT COURSEWORK

- Data Structure
- Design and Analysis of Algorithms
- Probability and Statistics
- Operating Systems
- Computer Organization and Architecture