Mulugu Vishwanath Sharma

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EDUCATION

Sri Chaitanya Junior College,India
12th grade TSIBE
June 2018 - April 2020
GPA: 942/1000

Indian Institute of Technology Hyderabad, India
Bachelors of Technology in Mathematics and Computing
Nov 2020 - Present
CGPA: 8.30/10.0

PROJECTS

Bubble Blast
Personal
Feb 2022 - Feb 2022
git.io/Bubble-Blast-Game
- This game is done using SFML in CPP.
- This game has a square grid of bubbles of different colors and we have to match 3 or more bubbles of the same color in a row or column to blast them.
- This game has functionalities like Calculating scores, limiting the number of moves to 15, swapping the adjacent bubbles, and blasting 3 or more bubbles in a row or a column and replacing them with those with the bubbles above.

Verification of CLT
IIT Hyderabad
Mar 2022 - Apr 2022
git.io/Verifying-CLT
- CLT stands for Central Limit Theorem.
- We have created some random data sets of predefined sizes of different distributions and checked whether their mean graph is following Normal distribution or not by the Shapiro Wilk test.

Sudden Temperature Rise Detector
Bolt IoT and ML
Jun 2022 - Jun 2022
git.io/Temperature-sudden-change-detector
- This Device is done using a Wifi module, 3 Female to Male wires, and an LM35 sensor that senses the temperature all given by Bolt company during the course.
- This device detects a sudden increase in temperature by creating a Z-score threshold above the last temperature reading.
- And if an anomaly is detected then it will send an alert mail to your given email ID.

ACHIEVEMENTS

AMTI	Selected for second round of Mathematics contest conducted by AMTI (Association of Mathematics Teachers of India)	2016
RMO	Selected for RMO (Regional Mathematics Olympiad)	2018
KVPY Interview	Selected for KVPY (Kishore Vaigyanik Protsahan Yojana) interview Round	2018
NSEC	Qualified in NSEC and shortlisted for appearing in INChO-2020	2019
TS-Eamcet	Qualified in TS-Eamcet with a State rank of 115	2020
JEE-Mains	Qualified in JEE-Mains with an AIR(All India Rank) of 622 in General category	2020
JEE-Advanced	Qualified in JEE-Advanced with an AIR(All India Rank) of 848 in General Category	2020
Code Jam	Qualified in Qualifier round of Code Jam	2022

TECHNICAL SKILLS

Programming languages: C++, C, Python
Miscellaneous: Git, Latex, Competitive Programming, SFMl in CPP, IoT (Internet of thing) and Z-score analysis, Concepts and Implementation of OOP)

Web Technologies: HTML, JavaScript
Future Interests: Machine Learning, Deep Learning, Programming in Java

RELEVANT COURSEWORK

Computer Science: Python (Core + Advanced) From Naresh IT (Outside Campus), Data Structures and algorithms and data structures and algorithms lab, Theory of Computation, Algorithms
Artificial Intelligence: Artificial Intelligence, Convex Optimisation
Mathematics: Linear Algebra, Number Theory, Probability Theory, Combinatorics, Group Theory, Applied Statistics, Calculus-I and II, Ordinary Differential Equations.
Others: Iot and ML course provided by Bolt, Spoken Japanese Course

Ongoing / Upcoming:
Computer Science: Operating Systems-1, Data Base Management Systems - 1, Compilers-1
Artificial Intelligence: Fundamentals of Machine Learning
Mathematics: Algebra-Groups and Rings, Numerical Analysis, Analysis of Functions of single variables

EXTRA CURRICULAR ACTIVITIES

Playing in-door games like Chess and Carrom.
Active Volunteer in NSS.
Playing Badminton Occasionally.