

Manoj Singh Tomer

DOB 3-1-2002 — NIZAMABAD, IND

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EDUCATION

MAHINDRA UNIVERSITY

HYDERABAD, IND

BTech in Computer Science and Engineering

Oct 2020 - Present

GPA 7.64

NARAYANA JUNIOR COLLEGE

HYDERABAD, IND

PCM May 2018 - Apr 2020

Percentage 98.9

PRESIDENCY HIGH SCHOOL

NIZAMABAD, IND

Mar 2017 - Apr 2018

GPA 10

LINKS

Github:// manojtomer0709

LinkedIn:// manojtomer0709

COURSEWORK

Data Structures

Discrete Mathematics

Machine Learning with Python

Artificial and Computational Intelligence

Optimization Techniques for AI

SKILLS

PROGRAMMING

LANGUAGES

Advance: C++

Intermediate: Python C Javascript

Novice: Java

TOOLS

Git Linux Windows

FRAMEWORK AND LIBRARY

SpringBoot ReactJS Flutter

TECHNOLOGIES

CSS HTML SQL

OTHERS

Teaching, Public Speaking, Football, Task Management

PROJECTS

COMPRESSION OF TEXTUAL DATA USING HUFFMAN ENCODING *C++, ALGORITHMS*

- Built an application that helps in effective transfer of text files over a network by efficiently compressing the content
- Achieved 48 percent reduction in data-size using Huffman Trees with variable length encoding.

SORTING ALGORITHM VISUALIZER *PYTHON, ALGORITHMS*

- Built an application that demonstrates the functioning of classic sorting algorithms like Selection Sort, Insertion Sort, Bubble Sort
- Used Python's PyGame package for rendering and animation

ACHIEVEMENTS

ACADEMICS

Served as the President of Mahindra University's Programming Club for the Academic year 2022-2023

Scholarship for Academic Excellence - INR 100,000

State Rank 4 in class XII examination

School Rank 1 in class X examination

SPORTS

1 x Represented Telangana in 61st National Level Football Championship held in Durg, Chattisgarh 2015

3 x Represented Nizamabad in State Level Football Championships

LANGUAGES

Hindi *Native/Bilingual* (ILR Level 5)

Telugu *Native/Bilingual* (ILR Level 5)

English *Full Professional Proficiency* (ILR Level 4+)

French *Limited Working Proficiency* (ILR Level 2+)

AREAS OF INTEREST

Quantum Computation

Software Development

Design of Algorithms

Advanced Data Structures