



# MANAS GUPTA

S T U D E N T

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📍 VELLORE, TAMIL NADU

DOB : 26 MARCH 2002

## SKILLS

- Python
- C++
- Data Structures and Algorithms
- HTML
- CSS
- Javascript
- React.js
- Artificial Intelligence

## EDUCATION

### SCHOOL

#### KRISHNA PUBLIC SCHOOL

2020 Passed Out

Scored 94% in 10th.

Scored 93.8% in 12th.

### BACHELOR OF TECHNOLOGY

#### VELLORE INSTITUTE OF TECHNOLOGY

2020-2024

ELECTRONICS AND COMMUNICATION TECHNOLOGY **CGPA : 8.62**

## CARRER OBJECTIVE

My objective is to leverage my programming skills and passion for software development, seeking an entry-level position as a software engineer to contribute to innovative projects and further enhance my technical expertise.

## WORK EXPERIENCE

### ARTIFICIAL INTELLIGENCE EXTERN

#### SMARTBRIDGE

MAY 2023- JULY 2023

- Completed an externship program at SmartBridge, specializing in the AI domain, gaining hands-on experience in various aspects of artificial intelligence, including machine learning, natural language processing, and computer vision.
- Developed a deep learning model for arrhythmia classification using 2-D ECG spectral image representation, demonstrating expertise in applying advanced techniques and achieving accurate diagnoses for cardiac conditions.

## ACHIEVEMENTS

Achieved top institute rank (under 20) in GeeksforGeeks, demonstrating coding and problem-solving skills, and a strong understanding of data structures, algorithms, and computer science concepts.

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## CERTIFICATIONS

- Google Cloud Computing Foundations
  - Udemy : Data Structures and Algorithm Using C++
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## PROJECTS

### CLASSIFICATION OF ARRHYTHMIA BY USING DEEP LEARNING

Developed an electrocardiogram (ECG) arrhythmia classification system using a convolutional neural network (CNN). By training a deep two-dimensional CNN model with grayscale ECG images, the project aims to classify ECGs into seven categories.

### FOOD RECOGNITION USING NEURAL NETWORK

Developed and implemented a food recognition system utilizing neural networks to identify and classify various food items from images. Contributed to applications in nutrition tracking, dietary analysis, and personalized meal planning.

### RFID BASED ATTENDANCE SYSTEM

This project uses radio waves to identify people in real-time and send the data to the cloud. The project allows for efficient tracking and management of attendance, as well as real-time monitoring and analysis of data.

### LIDAR BASED MICRODRONE

Designed and implemented a microdrone equipped with LIDAR technology for real-time obstacle detection. This project is for applications such as surveying, mapping, and inspection in challenging environments

### PERSONAL PORTFOLIO

My personal portfolio is a dynamic website built using HTML, CSS, and JavaScript. It showcases my skills and experience, featuring a clean and modern design with smooth animations and responsive layout.