

# Shivani Vemula

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## Career Objective

Enthusiastic engineering graduate with a strong foundation in programming and problem-solving, seeking a software development role to apply my skills, learn new technologies, and contribute to impactful projects

## Education

<b>CMR Technical Campus</b>	Hyderabad,Telangana
<i>Bachelor of Technology, Electronics and Communication Engineering</i>   GPA: 9.13	2021-2025
<b>Intermediate</b> : SR Junior College   Percentage: 98.04	2019-2021
<b>Matriculation</b> : Manasa High School  CGPA: 9.8	2019

## Skills

### Programming Skills

- Languages : Java, Basics of Python, C
- Programming Concepts : OOPS, Basics of DSA

### Technical Skills

- Database : SQL
- Web Technologies : HTML, CSS
- Python Libraries : Pandas, Numpy

### Soft Skills

- Leadership, Teamwork, Time Management, Hardworking, Self Motivating, Problem Solving, Strong Multitasking

## Projects

### DETECTION OF HEART STROKE DISEASE USING MACHINE LEARNING ALGORITHM

- This project focuses on developing a machine learning model to identify the risk of heart stroke at an early stage. We implemented the Random Forest algorithm to analyze various health parameters and predict the likelihood of a stroke.

### LEVERAGING CONVOLUTIONAL NEURAL NETWORK FOR CATARACT CLASSIFICATION IN RETINAL FUNDUS IMAGES

- Cataract is one of the major causes of preventable blindness worldwide. To address this, we developed an automated system that combines image sharpening techniques with a custom Convolutional Neural Network(CNN). The model analyzes retinal fundus images and classifies them as mature, immature, or normal, enabling quicker and more consistent diagnosis.

## Virtual Internship– Android Developer

- Completed a 10-week virtual internship in Android development supported by Google for Developers. Learned the basic concepts of Android app development, including how to use Android Studio and understand app components like activities and layouts.

## Certifications

- English Language for Competitive Exams- NPTEL
- Computer Architecture- NPTEL

## Achievements

- Academic Excellence Award(2021-2022)
- 5 star coder in HackerRank

## Interests and Hobbies

- Learning new skills
- Problem Solving