

# DIVVELA SARATH SATYA SAI



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## Education

### Sathyabama Institute of Science and Technology

Bachelor of Engineering in Computer Science (CGPA: 8.02 / 10.00)

May 2024

Chennai, Tamilnadu

#### Final Year Project

#### Employee Proctoring System using Computer Vision | Python, Streamlit, ML Algorithms

- Developed an innovative system leveraging computer vision to monitor employee behavior and ensure compliance with workplace policies, addressing limitations of traditional surveillance methods like privacy concerns and high false alarms.
- Designed core modules, including real-time video analysis using object recognition algorithms, data analytics for productivity trends, and a notification system for immediate alerts, utilizing Python and machine learning frameworks.
- Enhanced workplace productivity and accountability through ethical, privacy-concern monitoring, offering actionable insights and timely alerts to improve operational efficiency and maintain a secure work environment.

### Tirumala Junior College

12th Grade - M P C (CGPA: 9.5 / 10.00)

2018-2020

Rajahmundry, Andhra Pradesh

### Tirumala High School

10th Grade - S S C - (CGPA: 8.8 / 10.00)

2017-2018

Rajahmundry, Andhra Pradesh

## Technical Skills

**Languages:** Java, Python, C, HTML5, CSS3, JavaScript

**Frameworks:** Django, Hibernate, Jsp, Servlet, Spring, SpringBoot

**Tools:** VSCode, Git, GitHub, curserAI, Jupyter Notebook

**Database :** MySQL

## Summary

A highly skilled and motivated recently passed out student computer science, passionate about developing innovative projects. Proficient in various programming languages including Java and Python, with expertise in database creation, software debugging, and website development. Demonstrates collaborative teamwork and consistently delivers exceptional results.

## Training Certificates

### 1. Excelr

Project Intern

Aug 2022 – Dec 2022

Chennai, Tamil Nadu

#### Gold Price Analysis | Python, Jupyter Notebook

Monitor gold price data feeds from multiple providers, swiftly switching to backups to maintain uninterrupted access. Convert gold prices into local currencies as needed, ensuring accurate pricing for global users. Analyze fluctuations in gold prices to offer insights into market trends, considering both its intrinsic value and currency strength.

### 2. Cognibot

Project Intern

Jan 2023 – Mar 2023

Chennai, Tamil Nadu

#### Diabetes Risk Prognosis | Python, Jupyter Notebook

Developed a system to predict diabetes early with high accuracy using machine learning techniques. Utilized a diagnostic dataset with 17 attributes from 520 patients and applied Random Forest Classifier for prediction. Employed Python for its rich built-in libraries, streamlining the machine learning model development.