

# Venkata Siva Ram Kumar Chandra

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## EDUCATION

### Indian Institute of Information Technology DM Kancheepuram

*Bachelor of Technology in Electronics & Communication Engineering*

Chennai, TN

*Jul. 2020 – Present*

### Board of Intermediate Education

*Sri Chaitanya Junior College*

Vijayawada, AP

*Jul. 2018 – Mar. 2020*

### Board of Secondary Education

*Sri Chaitanya High School*

Vijayawada, AP

*Jul. 2016 – Mar. 2018*

## PROJECTS

### Smart Dustbin | C++, Arudino, IR Sensor, Servo Motors

Jan. 2023 – Present

- Developed a wet segregation device by seperating dry & wet waste.
- Implemented a simplified moisture sensing technique by measuring the electrical resistance of aluminum foil to determine the moisture levels.

### ML model on Student's Monthly Expenses | Jupyter notebook, sci-kit, Keagle

Aug. 2022 – Nov. 2022

- A predictive Machine Learning model to estimate student expenses by incorporating age and year of education.

### Fuel Level Indicator System | Arudino, Ultrasonic Sensor, Fuel Tank, Buzzer

Apr. 2022 – May 2022

- A fuel monitoring system that indicates the amount of fuel present in the vehicle.
- The driver will be notified if they are unable to travel more than 5 kilometers.

## TECHNICAL SKILLS

**Languages:** Python, C/C++, JavaScript, HTML/CSS, Verilog, LaTeX

**Software Skills:** Multisim, Vivado, DosBox, MatLab, LabVIEW, COMSOL Multiphysics

**Libraries:** pandas, NumPy, Matplotlib, sci-kit

## KEY SUBJECTS

Optical Fiber Sensors, Photonics, Bio Medical Optics, Bio Signal Processing, Digital Signal Processing, Digital Circuits, Analog Circuits, Antenna Theory and Design, Embedded Systems, Data Structures and algorithms, Data Science.

## AWARDS & ACHIEVEMENTS

- Ranked 1st within the campus and scored 94% in the NASA Astronomy Olympiad, showcasing exceptional skills and knowledge in the field of astronomy.
- Achieved the distinction of being the only student to get secured in the Ramanujan Talent Test conducted campus-wide with above 99.7 percentile.
- 1st of the Campus level Carrom Championship, demonstrating dedication, hard work and a winning mentality.

## RESPONSIBILITIES HELD

### Placement Cell Coordinator

*Assisted in organizing job fairs and career development workshops for college students.*

IIITDM Kancheepuram

*Jan. 2023 – Present*

### Class Representative

*Sri Chaitanya Junior College*

Sri Chaitanya Junior College

*Jul. 2019 – Jan. 2020*

## CERTIFICATIONS

**UDEMY:** C++ Programming From Beginning to Beyond [credentials](#), Mastering Data Structures & Algorithms using C and C++[credentials](#)

**NPTEL:** The Joy of Computing Python