

## KUTUMBARAYUDU VURUBANDI

A305, Marvel Sequoia Apartments,  
A B Vajapayee road, Channasandra Main Road,  
Bangalore, Karnataka, 560066.  
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### CAREER OBJECTIVE

To obtain a position that challenges me and provides me the opportunity to reach my full potential professionally and personally. My goal is to become a valued asset.

### EDUCATION QUALIFICATION

- **Bachelors of Engineering – Electronics and Communication**  
CMR Institute of Technology, Bangalore, Karnataka  
7.2 CGPA, 2023
- **Pre – University Course – MPC(Maths,Physics,Chemistry)**  
Narayana Junior College, Guntur, Andhra Pradesh  
9.0 CGPA, 2019
- **SSLC**  
Loyola Public School, Nallapadu, Guntur, Andhra Pradesh  
76.8%, 2017

### TECHNICAL SKILLS

Languages: C programming, Python, Java, Verilog HDL

Software: Solid Edge (CAED), MATLAB, KEIL, XILINX, AutoCAD, Photoshop, Pardot.

### PROJECTS

- **CANSAT**  
Description: Cansat is a Can Shaped Satellite with various sub-systems. I designed and developed a cansat with sensor sub-system, real-time communication system (Xbee), Power System, Dual Descent control mechanisms and Active 3-Axis Gyro Stabilization System & Ground Control Station to receive real-time data.
- **Rocket Motor Test Stand**  
Description: Monitors To Measure the Thrust of a solid rocket motor  
Learning Outcome: Learnt to analyze and plot the real time data and use data points to understand the thrust of a rocket motor
- **Weather Monitoring and Pollution Detection System**  
Description: Monitors various gases concentration, Temperature, humidity, barometric pressure  
Learning Outcome: Understood working of sensors in different atmospheric conditions
- **Solid Fuel Rocket**  
Description: Designed and developed a solid fuel(Oxidizer Rich) rocket which includes Propulsion system, Avionics bay, Rocket frame.

## INTERSHIPS

- **Internship 1 (Sep - Oct, 2019)**  
Title: Space Development Nexus, New Delhi.  
Description: Worked on Cube-Sat Development, Designed High Power Rocket, Conducted Seminar about rocketry at NIT Kurukshetra & Russian Centre for Science and Culture, New Delhi
- **Internship 2 (Feb-Mar, 2023)**  
Title: Hindustan Aeronautics Limited  
Description: Worked on LCA Tejas Aircraft Manufacturing, Systems Test, Configurations, Avionics & Wiring Integrations & Sensors Calibration
- **Internship 3 (Aug-Oct, 2023)**  
Title: Ceptes Software  
Description: Worked as Associate Product Consultant - Marketing

## CO-CURRICULAR ACTIVITIES & EXTRA-CURRICULAR ACTIVITIES

### Co- Curricular Activities:

- **Online Courses:** Arduino, Python, Astronomy and Astrophysics, Prompt Engineering.
- **Seminars:** Advanced Propulsion Systems, Insights to Industry 4.0, Business Development & Entrepreneurship.
- **Team Lead of ASI & In-Space Cansat India Student Competition** (Cleared PDR Round).

### Extra – Curricular Activities:

- Attended Seminars and events about Rocketry and Astronomy
- Ambassador - IAAC 2020

## AWARDS & ACHEIVEMENTS

- 3rd Place at Student Engineering Model Competition, Indian International Science Festival , Kolkata,2019
- Finalist -IAAC 2019

## PERSONAL DETAILS

Date of Birth : 25-02-2002  
Gender : Male  
Nationality : Indian  
Father Name : Srikanth Vurubandi  
Permanent Address : 26-5-1, Ammisettyvari Street, Nagarampalem, Guntur, Andhra Pradesh, 522004.  
Languages Known : Telugu, English, Hindi, Kannada.  
Hobbies : Reading, Rocketry, cooking, poetry.

## REFERENCE

- Name: Dr R. Elumalai  
Designation: HOD, Dept. of ECE, CMRIT  
Email ID: hod.ece@cmrit.ac.in  
Phone No: +91 849 504 2173
- Name: Harsha B K  
Designation: Asst. Professor, Dept. of ECE, CMRIT  
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