

# Sathiyarayanan KR

Roll No.: 20BEC0331

B.Tech

Electronics and communications

Vellore Institute of technology

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GitHub Profile

LinkedIn Profile

## EDUCATION

|  |                       |
|--|-----------------------|
| •Vellore Institute of Technology         | 2024                  |
| B.Tech in Electronics and Communications | CGPA/Percentage: 8.52 |
| •City International School, Pune         | 2018                  |
| 12th CBSE, Maharashtra                   | CGPA/Percentage: 90%  |
| •Pawar Public School, Pune               | 2016                  |
| 10th ICSE, Maharashtra                   | CGPA/Percentage: 91%  |

## EXPERIENCE

|  |                     |
|--|---------------------|
| •Maven Silicon   | 15/05/23 - 07/07/23 |
| Project Intern   | Online              |
| – I've completed my VLSI design internship program in SPI protocol |                     |

## PERSONAL PROJECTS

|  |            |
|--|------------|
| –Smart Bracelet (IoT)  | Nov, 2022  |
| Project description  |            |
| * Tools & technologies used: Flutter, Firebase, Arduino IDE  |            |
| * Our project aims to improve elderly lives with a bracelet acting as a personal assistant, monitoring health status via ESP32-Wroom32 sensors. Data is sent to a cloud server for tracking and alerts are sent as messages to family if parameters exceed limits.   |            |
| –Seismic Data Processing and Analysis using MATLAB   | Apr, 2022  |
| Project description  |            |
| * Tools & technologies used: MATLAB  |            |
| * Our project uses seismic waves (1-100Hz) to study earthquakes and explore underground reserves. We aim to analyze and enhance the data obtained from seismography to improve the signal-to-noise ratio (SNR). By understanding geophysical signals, we seek to obtain a clearer picture of Earth's subsurface and composition. |            |
| –Trekker's Den (App)   | Sept, 2021 |
| Project description  |            |
| * Tools & technologies used: Java, Firebase  |            |
| * Our app connects trekkers, allowing them to socialize and find like-minded friends for hiking adventures. Users can join or create trekking groups, plan trips together, and share experiences, fostering a vibrant trekking community.  |            |

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Java, Dart, Python, MATLAB

**Cloud/Databases:** Firebase

**Coursework:**

1. The Complete 2021 Flutter Development Bootcamp with Dart (Flutter)
2. AWS Cloud Practitioner (2023)

**Areas of Interest:**

App dev, IoT, AWS cloud

## ACHIEVEMENTS

### –Won Thehacktrical MLH Hackathon

Our innovative app connects artists and directors by providing comprehensive audition information, allowing playwrights to advertise auditions and giving novice scriptwriters opportunities to direct plays. With augmented reality, theater enthusiasts can visualize and purchase props and costumes, enhancing their theater experience.

Jan, 2022

### –e-Yantra Robotics Competition (eYRC 2022-23) e-Yantra Robotics Competition (eYRC 2022-23)

Cleared 2 rounds of eYantra Robotics competition. Issued by ERTS Lab, Department of Computer Science and Engineering Indian Institute of Technology Bombay, Powai, Mumbai-400 076. · Jan 2023.

## POSITIONS OF RESPONSIBILITY

|  |           |
|--|-----------|
| •Position, Core Committee member RoboVITics club VIT | 2021-2023 |
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