



KARUNYA P

B.E – Electronics & Communication Engg.

About Me

Dedicated, ambitious, and passionate aspirant with strong problem-solving skills, technical acumen, and a drive for innovation. Eager to contribute to cutting-edge projects.

Certifications

- **ISRO: Overview of Space Science and Technology**
- **MathWorks : image Processing Onramp**
- **Coursera** : Introduction to Microsoft Excel
- **Coursera** : Business English: Networking
- **NPTEL- IIT Madras**: Enhancing Soft Skills & Personality Development (Elite Certification- All India Examination)
- **cognitiveclass.ai** : Python for Data Science
- **cognitiveclass.ai** : Intro to Data Science

Internships

- **Project Intern – BOSCH** Feb –June 2024
Working on the CAN protocol using ECUWorks software based on the configurations required
- **Project Intern – Central Manufacturing Technology Institute**
Design and Development of a manufacturing Unit for Microstrip Needle Patch
August,2023 – September ,2023

Projects

- **Patient Lifting Equipment**
Design and Development of an equipment to lift patients from bed to wheelchair or other resting positions
Qualified for final rounds among 200 teams in **CMTI - Design and Innovation Clinic 2023**
- **Design of Multi bit LFSR with dynamic selection**
Design and analysis of multi bit sequence pattern generator for 4i/p, 5i/p, 6i/p & 7i/p, by dynamically switching using control signal S1 & S0
- **Health monitoring System**
Design and Development of a system to monitor the basic health parameters like pulse, temperature, oxygen level, ECG and to send this data to the doctor.
- **Smart Hybrid 2-wheeler vehicle-** *Interdisciplinary project*
Research and development of a practical model on integration of IC engine and Ev mode in a 2-wheeler vehicle
- **Teaching Aid**
Design and Development of Teaching Aid to study MOSFET characteristics

Activities

- Cultural Head – **Cultural Activity Team**, RNSIT
- Vice chair – Signal Processing Society SB, **IEEE**
- IEEE Student member – RNSIT
- Student member – **Robotronics Club** –RNSIT
- Student member – **VLSI Techno Club** – RNSIT
- Member – **RSC**, RNSIT Sports Club
- Member – **Creative Team**, RNSIT

My Contact

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Achievements & Awards

- Most Valuable Player of the year 2019–2020
- *Karnataka State Probable* – Girls U-16 & U-19 Cricket Player
- Handball player – *Karnataka State Level*
- *1st Prize in OPEN HOUSE EXPO -2021 for developing a Teaching Aid to study MOSFET characteristics*
- *Medal of Merit* – For exhibiting scholastic abilities in academics

Education Background

RNSIT – Bengaluru 2020– 2024
BE in ECE , 9.13 CGPA
Semester Topper – I, II, III, VI & VIII

Vidyaniketan PU College 2018–2020
PUC – 94.3 %
Kannada Topper –98/100

Vidyaniketan Public School 2016–2018
10th– 93.4 %

Skills

- MATLAB
- KEIL
- MULTISIM
- C, Java, Python
- Cadence Virtuoso

Soft Skills

- Problem Solving
- Communication
- Teamwork
- Networking
- Resilience