KISHORE.B

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Education

R.M.K Engineering College	2022 − Present
B.E Electronics and Communication Engineering	*CGPA: 8.26 (Till 5th Semester)*
Jaigopal Garodia Vivekananda Vidyalaya Mat.Hr.Sec.School	2019 − 2022
12th: 94.17% |10th: 74.4%	*Chennai, India*

Projects

Non- invasive Glucose detection using spectroscopy
  Raspberry pi 4 | Tcrt 5000| Lm 515
  − A device that is used to detect the amount of glucose using infrared spectroscopy technique and FNN algorithm

IoT- Based multipurpose band
  Raspberry pi 4 | Arduino| Sensors
  − Designed a wearable system with 4 sensors (temperature, gas, pulse, and motion) to monitor health and environment conditions.
  − Implemented gesture-based emergency alerts and GenAI chatbot; achieved 90% accuracy in emergency detection testing.

IoT-Based Multipurpose Bandage
  Sensors | Actuators | ESP32 | Arduino IDE | Blynk
  − Designed a multifunctional IoT-enabled bandage capable of real-time health monitoring to improve patient care.

2 In 1 Railway Defect Detection Kart
  − A rail kart system works in 2 modes to detect both rail track and rail wheel related defects.

Area of Interest

- Wireless sensors networks, BAN (Body area network), Computer Networks (OSI layers).
- Hardware Description language- Verilog
- IOT related concepts.

Experience

KV'S Biomedical-IOT	Jun 2024 − July 2024
Intern	*Chennai, India*

  − Learned about different tools and applications of IOT in medical field through hands-on-training.

WIZtech Automation solutions	Dec 2023 − Jan 2024
Intern	*Chennai, India*

  − Got the exposure about the Embedded Systems using Proteus software for simulation.

Positions Of Responsibility

- As the **Secretary** of IEEE Photonics Society student chapter, R.M.K Engineering College, demonstrated leadership by organizing 2 days International Workshop on "The Power of Photonics and ML in Microplastic detection and Wearables."

Technical Skills

- Languages: C++, Python, Verilog, SQL
- Tools: PowerPoint, Excel
- Platforms: Visual Studio Code, Quartus Prime, Xilinx, MicroWind, Pspice, Scilab.
- Soft Skills: Design thinking, Problem Solving, Leadership, Time Management, Creativity.

Achievements

- Vel Tech High Tech Engineering College - AAVISHKAAR 2024 - Paper Presentation- Winner
- The Institute of Electronics and Telecommunications (IETE) - Paper Presentation Runner
- SIMATS Engineering - Micronex 2024 - Paper Presentation Winner
- RMKEC - IDEA CONTEST 3rd Place

Certifications

- NPTEL: Completed *Introduction to IoT (Elite Silver) | Joy of Computing Using Python (Elite Silver) | Python for Data Science (Elite Silver) |* Modern Communication techniques (*Elite Silver*) | Soft Skill (Elite Silver)
- Edx: Data Analyst.