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OBJECTIVE:

➢ Software Engineering Student Proficient in C and Python programming, with a keen interest in IoT and a drive for research and development initiatives.

➢ Eager to apply technical acumen and innovative thinking to solve complex problems and drive advancements in technology within a collaborative and dynamic environment.

EDUCATION:

➢ **B.E.** Electronics and Communication - Kongunadu college of Engineering and Technology, Trichy.

CGPA- 8.2*

[2021-2025]

➢ Vetri Vikaas Public School (CBSE), Rasipuram.

HSC- 84% [2020-2021]

➢ Vetri Vikaas Public School (CBSE), Rasipuram.

SSLC- 71% [2018-2019]

SKILLS:

➢ C programming

➢ Python programming

➢ Research and Development

➢ Internet of Things

➢ HTML and CSS

PROJECTS:

- ➢ ATM Theft Detection System – Build using Embedded C.

  Role: Designer

- ➢ Ecommerce website – Build using HTML and CSS.

  Role: Web site developer

- ➢ Home Intrusion Detection System – Build using Embedded C.

  Role: Code developer

ACHIEVEMENT & AWARDS:

- ➢ I got **Elite + Silver** on "Introduction To Internet of Things Course" in **NPTEL** Exam from Jul-Oct 2023 (12 week course).

- ➢ Won **1st Prize** in Project Expo on "Home Intrusion Detection System" at Knowledge Institute of Technology, Salem on 06/03/2024.

- ➢ Won **1st Prize** in Project Expo on "ATM Theft Detection System" at Gnanamani College of Technology, Namakkal on 14/03/2024.

- ➢ Won **2nd Prize** in Paper Presentation on "ATM Theft Detection System" at NSN College of Engineering and Technology, Karur on 22/03/2024.

- ➢ I got **Elite** on "Introduction to Industry 4.0 and Industrial Internet of Things Course" in **NPTEL** Exam from Jan-April 2024 (12 week course).

RESEARCH PUBLICATIONS – SCI/WoS/Scopus:

1. R. Banupriya, R. Nagarajan, K. R. N. Kalis, "Comparative Analysis of Different Control Strategies for Relift Luo Converter", International Journal of Photoenergy, vol. 2023, Article ID 8505609, 21 pages, 2023. https://doi.org/10.1155/2023/8505609 14 Oct 2023 https://www.hindawi.com/journals/ijp/2023/8505609/ **HINDAWI Publication** (SCI)

2. C. J. Chandra, R. Nagarajan, K. R. N. Kalis and S. Kannadhasan, "Computational Techniques High-Quality Wireless Communication to the Outside World for Further Processing in Wireless Sensor Networks," 2023 IEEE 5th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA), Hamburg, Germany, 2023, pp. 508-513, doi:10.1109/ICCCMLA58983.2023.10346221 18 December 2023 https://ieeexplore.ieee.org/document/10346221 **IEEE Publication** (Scopus & Web of Science)

3. Prabhu, R., Nagarajan, R., Kalis, K.R.N., Kannadhasan, S. (2024). Performance Analysis of Network Coverage Area in WSN Using Optimization Techniques. In: Das, S., Saha, S., Coello Coello, C.A., Bansal, J.C. (eds) Advances in Data-Driven Computing and Intelligent Systems. ADCIS 2023. Lecture Notes in Networks and Systems, vol 891. Springer, Singapore. https://doi.org/10.1007/978-981-99-9524-0_23 26 February 2024 https://link.springer.com/chapter/10.1007/978-981-99-9524-0_23 **SPRINGER Publication** (Scopus & Web of Science)

CO-CURRICULAR ACTIVITIES:

➢ Member in Anti-Drugs Club.

EXTRA-CURRICULAR ACTIVITIES:

➢ **Seminars, Value add courses, Internships & webinars:**

1. Value added Course on "Design of Applications in IoT" at Kongunadu College of Engineering and Technology, Trichy on 19/09/2022 to 26/10/2022.

2. Value added Course on "Fundamentals of C and Python Programming" at Kongunadu College of Engineering and Technology, Trichy on 03/06/2023 to 15/06/2023.

3. Internship Program on "Internet of Things" by Samcore Solution, Trichy on 15/06/2023 to 30/06/2023

4. Industrial Visit on "Internet of Things" by Techvolt Software Private Limited, Coimbatore on 18/08/2023.

5. Seminar on "Beyond 5G" at Velammal College of Engineering and Technology, Madurai, on 14/09/2023 to 15/09/2023.

6. Webinar on "Recent Advancements in Communication Engineering" at Study World College of Engineering, Coimbatore on 21/09/2023.

7. Webinar on "The Next Frontier in Wireless Communication: Opportunities and Challenges with Reconfigurable Intelligent Surface" at QIS College of Engineering and Technology, Prakasam on 03/10/2023.

8. Webinar on "Research Challenges in Bio medical Antenna Design" at Study World College of Engineering, Coimbatore on 24/10/2023.

9. Internship Program on "Internet of Things" by Litz Tech India Private Limited, Coimbatore on 15/12/2023 to 31/06/2023

10. Webinar on "Challenges and Opportunities for Microwave Antennas" at QIS College of Engineering and Technology, Prakasam on 12/01/2024.

PERSONAL INFORMATION:

- ➢ Date of Birth **:** 03/02/2004
- ➢ Father's Name **:** Dr.R.NAGARAJAN
- ➢ Nationality **:** Indian
- ➢ Blood Group **:** O^{+ve}
- ➢ Languages known **:** English, Tamil.
- ➢ Hobbies **:** Listening to Music, Learning Programming Languages from YouTube.