

RAHUL

RAJESH KANNA



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SKILLS

TECHNICAL

- C / C++ Programming
- Python Programming
- MATLAB
- Arduino IDE
- HTML/CSS
- MySQL

AREA OF INTEREST

- Web & App Development
- Web Designer
- Full Stack Developer
- Networks
- Signal & Image Processing

PERSONNAL TRAITS

- Strategic Visionary
- Collaborative Strategist
- Proactive volenteer

CO- CURRICULAR

EVENTS

- **Quiz | Code-A-Thon | Technical Treasure Hunt**
September, 2022
Elements 2022, Sri Ramakrishna Engg College, Coimbatore.
- **Quantitative Aptitude Competition**
23rd February, 2022
Dept. of Mathematics, VCET Madurai.

CAREER OBJECTIVE

Enthusiastic electronics and communication engineering student with a keen eye for real-world challenges. Possessing a strong foundation in coding, I thrive on analyzing complex problems and developing practical solutions. Through rigorous project experience and a deep dive into real-time examples, I aim to bridge the gap between theory and application.

EDUCATION

- **BACHELOR OF ENGINEERING** **CGPA - 7.57**
Velammal College of Engineering and Technology
2021 - 2025
- **HIGHER SECONDARY SCHOOL(HSC)** **83.69 %**
CEOA Matriculation Higher Secondary School
2020 - 2021
- **SECONDARY SCHOOL(SSLC)** **80.20 %**
CEOA Matriculation Higher Secondary School
2017 - 2018

PROJECTS

- **RANSOMWARE ATTACK DETECTION**
Using Integrated Machine Learning
Implemented a deep learning approach for Denial-of-Service (DoS) attack detection using a Convolutional Neural Network (CNN) and Long Short-Term Memory (LSTM) network. This project leverages CNN's ability to capture spatial features in network traffic data and LSTM's strength in handling sequential patterns to achieve high accuracy in DoS attack identification.
- **PREDICTION & ANALYSIS OF AIR QUALITY**
Using ANN & CNN
Developed air quality prediction models using Artificial Neural Networks (ANN) and Convolutional Neural Networks (CNN) in PyCharm. Analyzed air quality data to identify patterns and predict future air quality index (AQI) for informed decision-making. This project contributes to environmental monitoring and public health initiatives.
- **SMOKE DETECTOR**
Using Arduino IDE
Designed and built a smoke detector using Arduino. Project utilized an MQ-sensor to detect smoke presence, triggering an alarm (LED and buzzer) when smoke levels exceeded a safe threshold.
- **PING PONG GAME**
Using Arduino IDE
Developed a single player Ping Pong game using Arduino Uno and a 0.96" OLED display with SSD1306 interface. This project utilized I2C communication for efficient data transfer between the microcontroller and the display. (2 lines)

WORKSHOPS

- **Recent Trends in Communication Technologies: Beyond 5G**
September, 2023
ECE Association, VCET Madurai.
- **Artificial Intelligence with Machine Language**
18 - 19th March, 2023
Pravega, IISc Bangalore.
- **Verilog Workshop**
24 February, 2023
Currents, NIT Trichy.
- **How Machines become Intelligent?**
28th May, 2022
Techutsav, Thiagarajar College of Engineering Madurai.

EXTRA - CURRICULAR

- **VOLENTEERED IN VELAMMAL INTERNATIONAL CONFERENCE ON ENGINEERING '24|VCET**
17 & 18 May, 2024
- **CO ORDINATOR IN IETE STUDENTS' FORUM|VCET**
July, 2023 - May, 2024
 - Organized STATE-LEVEL Project presentation & Idea Contest | Quiz Contest.
 - Developed IETE Students' Forum Website.
- **GENEXT ORGANIZER**
September, 2022
- **REPRESENTATIVE OF CLASS**
July, 2023 - December, 2023
- **NSS MEMBER|CEOA SCHOOL**
June, 2019 - April, 2021

INTERNSHIPS

- **INDIAN TELECOMMUNICATION INDUSTRY, BANGALORE**
10 - 26, August 2023
focused on R&D within a 3D printing environment, encompassing reliability testing and power supply unit development. Gained proficiency in CAD software, contributing to projects involving EVM, DMR, and IRNSS technologies. Experienced EMC lab procedures and PCB design principles. Additionally, explored data center infrastructure and its components.
- **J.K.FENNER (INDIA) PVT. LMT.**
18, July 2023 - 1, August 2023
focused on power transmission systems. Gained hands-on experience in designing, testing, and optimizing belt and pulley systems. Contributed to R&D projects aimed at enhancing product performance and durability.
- **FUTURIK TECHNOLOGIES**
2 - 12, January 2023
focused on web development and server administration. Gained practical experience in designing, developing, and deploying web applications. Acquired proficiency in server configuration, management, and troubleshooting.

CERTIFICATION COURSE

- **NPTEL CERTIFICATION**
 - 1, Signal Processing Techniques and its Applications
Secured - 88% & Elite with Silver
Jan-Apr 2024 [12 Week Course]
 - 2, Real Time Digital Signal Processing
Secured - 57% & Successfully Completed
Jun-Sept 2023 [12 Week Course]
 - 3, Fundamentals of MIMO Wireless Communication
Secured - 57% & Successfully Completed
Jan-Mar 2023 [8 Week Course]
- **UDEMY COURSES**
Become a Good Matlab Programmer in 30 days
May 2024
- **COURSERA COURSES**
Foundation of Cyber Security
Grade: 96.17% | October 2, 2023

DATE :
PLACE : MADURAI


SIGNATURE