Vishnu S

# Computer Science and Engineering

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# ACADEMIC QUALIFICATIONS

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| --- | --- | --- | --- |
| **Year** | **Degree/Certificate** | **Institute/School** | **CGPA/Percentage** |
| 2022-2024 | B.E-CSE | Sri Ramakrishna Engineering College, Coimbatore | 7.61(Current) |
| 2020 | HSC | Suguna RIP V Matric Higher Secondary School, Coimbatore | 82.33% |
| 2018 | SSLC | Kathir Vidyaa Mandhir, Coimbatore | 7.8 CGPA |

**AREA OF INTEREST**

* Internet of Things
* Web Development
* Cloud Technology
* Blockchain
* Data Science

# PROJECTS

## Smart Irrigation Using Lora (May 2022)

*Dr. R. Madhumathi, AP/CSE*

An automated irrigation system for various regions that could be feasible to save water in enormous amount. The moisture levels on the fields are monitored continuously through sensor and updated frequently to Think Speak cloud and displayed through the mobile app to the user. The user can also control the system manually apart from several distance (max.100 Kms). In case of any Automotives dysfunctions the information is sent to the user as notification and the user can manage the situation.

**Languages & Tools Used:** Android Development, Think Speak, Arduino IDE.

## Automated Seating Arrangement System (Ongoing)

*Mrs. G. Rathi, AP/CSE*

In a large scale of seating allotment, it is hectic to manage the seating arrangement for the candidates. so we proposed an automated seating arrangement system that allocates the seats for them using genetic algorithm with the highest accuracy of maintaing the user resist the action of malpractice and displays it through the application developed. Based on their login credentials, the data abstraction is managed and displayed to the user.

**Languages & Tools Used:** ReactJS, Genetic Algorithm, PyGAD, ExpressJS, MongoDB.

# TECHNICAL SKILLS

* + **Programming Languages:** C, Java\*, Python.
  + **Web Technologies:** HTML, CSS, JavaScript.
  + **Operating System:** Windows, Linux (Kali Linux, Linux Mint).
  + **Database:** MySQL, MongoDB.
  + **Frame Work:** Flask \*, Jinja2.
  + **Cloud:** Kubernetes, Docker.
  + **MCU Programming:** Arduino IDE, Atom.io.

# PUBLICATIONS

## A LoRa based Wireless Smart irrigation System

Published in IEEE Explore [ “Sixth International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022)”.]

<https://ieeexplore.ieee.org/document/10009142>

# STRENGTHS

* + Cognitive performance
  + Intrepid and heeded speaker
  + Manageable ability
  + Shrewd mindedness
  + percipiency

# CERTIFICATIONS

* + **AWS Cloud Practitioner Essentials** [AWS], Edx.
  + **Introduction to Cloud Computing** [IBM]**,** Edx.
  + **Introduction to Linux** [Linux Foundation]**,** Edx.
  + **Introduction to Cloud Infrastructure Technologies** [Linux Foundation]**,** Edx.
  + **Introduction to Machine Learning**, Coursera.
  + **Google Data Analytics** [Specialization with 8 courses], Coursera.
  + **Python 3 programming** [Specialization with 5 courses], Coursera.
  + **Python for Data Science**, Coursera.
  + **JavaScript & jQuery and Vue JS** (Introduction), Udemy.
  + **Project Development using JAVA**, Udemy.

# KEY COURSES TAKEN

* + Self-learning course on **Blockchain Technologies and its Applications** from **NPTEL**.
  + Self-learning course on **Cryptography and Network Security** from **NPTEL**.
  + Self-learning course on **Introduction to Internet Of Things** from **NPTEL**.
  + Self-learning course on **Ethical Hacking** from **NPTEL**.
  + Intellectual Properties Awareness and Training Program organized by **Intellectual Property India** (IPI).

# ACHIEVEMENTS

* + Runner up at **HACKFEST’22** organized by Sri Ramakrishna Engineering College.
  + Runner at **CODE’A THON’21** organized by Sri Ramakrishna Engineering College.

# POSITION OF RESPONSIBILITIES

* + Executive member of **FOSS** Club, SREC.
  + Office bearer of **Yuva** club, SREC.
  + Member of **Tamil mandram**, **YRC**, **CSI**, **NSS** clubs, SREC.
  + Former Technical team member at **GDSC**, SREC.
  + Organizer at **ELEMENTS’22** (Symposium), SREC.

# EXTRA-CURICULAR ACTIVITIES

* + Conquered GOLD medal (along with the title of new Record holder) at International overall Powerlifting Championship hosted by IPF at Pune in 2018.
  + 6th Rank holder in Level-4(national) SPELL BEE INTERNATINAL examination.

# PERSONAL DETAILS

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| --- | --- | --- |
| **Date of Birth** | **:** | 08-10-2003 |
| **Languages Known** | **:** | English, Tamil |
| **Address** | **:** | 47, Arasamaram street- 2, Avarampalayam, Coimbatore – 641006 |
| **Hobbies** | **:** | Writing litratures, Poems, |

**DECLARATION**

I solemnly declare that all the above information is correct to the best of my knowledge and belief.

**Place:** Coimbatore **VISHNU S**

# Date: