Chandru Radhakrishnan

Coimbatore – 642001

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EDUCATION

B.E Electronicsand Communication Engineering 2019-2023
Sri Eshwar College of Engineering, Coimbatore **CGPA**: 7.9

Higher Secondary School 2018– 2019
PKD Matric Hr Sec School, Pollachi **Percentage: 67%**

Secondary School 2016 – 2017
VVM Matric School, Pollachi **Percentage: 90%**

PERSONAL PROJECT

T-PEP Embedded System, 13 May 2021 – 28 May 2021

- Courses on the theoretical aspects of the IOT & Embedded as well as internships based on IOT & Embedded projects were taught.
- In exchange for my knowledge in the subject allowing me to enhance my research in IOT & Embedded Systems, I was given hardware to conduct experiments on.
- I gained an intermediate comprehension of how IOT devices operate when connected to and controlled by the internet. As a result, I was able to develop my ideas for embedded systems and the Internet of Things.

PROJECTS

Automatic Solar Submersible Pump Control For Irrigation | December 2021 – March 2022

- A submersible pump controller is used to pump a water from a boor well to a storage water tank. Then, the water is drawn by a submersible pump at the slope's toe, where the installed sprinklers water the crops or plants.
- Tech Stack: C, HTML, CSS, Arduino IDE.

Smart Gardening System | March 2022 – June 2022

- Developed a cloud-based Smart Gardening System integrated with mobile applications, enabling users to remotely monitor and control their gardens through an intuitive interface, ensuring optimal plant care, water efficiency, and enhanced convenience.
- Tech Stack: Cisco Packet Tracer.

Agro-King | December 2022 – April 2023

- Built a web-based application integrating Python algorithms and machine learning techniques for precise prediction of plant leaf diseases, offering tailored recommendations on suitable pesticides, thereby aiding in effective disease control and optimizing plant leaves health.
- Extensive research was made on the Plants and how diseases vary across its types for better understanding.
- Tech Stack: HTML, CSS, Java Script, Machine Learning, Python, Spyder IDE, Visual Studio Code Editor.

INTERNSHIP

CD Gallery Management System | Web Application

- Developed a CD Gallery Management System using JSP, Servlet, and JDBC technologies.
- Implemented features such as customer and admin logins, CD and customer database management, CD issuing and returning, and online CD rentals.
- The CD Gallery Management System improved the overall efficiency of CD management, enhancing the gallery's operations and customer satisfaction.

SKILLS

Programming Language : C,C++, Java, SQL, Python, HTML,CSS, React JS

Tools: Visual Studio code, Eclipse, Android studio, Arduino IDE.

Non-Technical: Communication, Self-Learning, Critical thinking, Adaptability, Decision Making, Problem Solving.

CERTIFICATIONS

- IOT(Internet Of Things) workshop – Karpagam Institute of Technology
- Certified for C/C++ Programming Language – Institution
- SQL - SoloLearn

RESEARCH WORK & CONFERENCES

FERTILIZER RECOMMENDATION SYSTEM FOR PLANT DISEASE PREDICTION Research ICAISC 2023 organized by Bannari Amman Institute of Technology

- A framework based on artificial intelligence and machine learning is proposed here in order to have a straightforward and transparent process for plant disease affection in the agricultural sector.
- This provides detailed information and specification of how the blockchain can be implemented in the food supply chain and simplifies the complexity of agriculture disease prediction by taking variances among various disease types into account.

AREA OF INTEREST

- Web Development
- Problem Solving
- Mental Arithmetic
- Testing

PROFILE LINK

- LinkedIn – https://www.linkedin.com/in/chandru-r-8b8718281
- GitHub – https://github.com/chandrurb

DECLERATION

I hereby certify that the above given data are true and correct to the best of my knowledge and belief.

Place: Coimbatore

Date: 02 August 2024

Chandru R