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|  | **RAGHAVENDAR S**  **B.E COMPUTER SCIENCE ENGINEERING**  CONTACT NO: 9843576113  EMAIL ID: [raghavendar.2001154@srec.ac.in](mailto:raghavendar.2001154@srec.ac.in)  LINKED IN PROFILE: <https://www.linkedin.com/in/s-raghavendar-42b692202/> |  |
| CAREER OBJECTIVE | | |
| Seeking an entry-level position to begin my career in a high-level professional environment. To secure employment with a reputable company, where I can learn new skills, expand my knowledge, and leverage my learnings. | | |
| EDUCATION | | |
| |  |  |  |  | | --- | --- | --- | --- | |  |  |  |  | | **PERIOD** | **DEGREE/COURSE** | **INSTITUTE/SCHOOL** | **CGPA/PERCENTAGE** | | 2020-PRESENT | B.E CSE | Sri Ramakrishna Engineering College | 8.86 (till 6th semester) | | 2019-2020 | HSC | Bharathi Vidya Bhavan | 85.67 | | 2017-2018 | SSLC | Bharathi Vidya Bhavan | 91.2 | |  |  |  |  | | | |
| AREA OF INTEREST | | |
| * Artificial Intelligence * Internet of things | | |
| TECHNICAL SKILLS | | |
| * **Programming Languages**: C, Python, Java * **Web Technologies**: HTML, CSS, JavaScript * **Database Management**: MySQL * **Operating System**: Windows * Arduino Programming | | |
| PROJECTS | | |
| * **DST – SERB Project – Funded Project** (***Completed)***   ***Project Mentor*** – Dr. R. Madhumathi, Associate Professor, Dept. of CSE   * To develop and **IoT Based automation system** for sugarcane fields. * The **NPK sensor** is used to identify the soil nutrient, and the data is then classified as low, medium, or high in accordance with the NPK's standard ranges. * **Regression models** are used to recommend right amount of fertilizer to crops. * Using drip irrigation valves, Fertilizers like Urea for Nitrogen, Single Super Phosphate for Phosphorus, and Muriate of Potash (MOP) for Potassium is supplied to the soil based on soil nutrient levels.   ***Languages & Tools Used: Arduino, Python*** | | |
| * **Leaf Nutrient Prediction for Sugarcane Crops using Transfer Learning** (***Completed)***   ***Project Mentor*** – Dr. R. Madhumathi, Associate Professor, Dept. of CSE   * To develop a **Transfer Learning model** that forecasts the nutritional deficiency content in sugarcane crops. * A dataset of approximately 1000 has been gathered from a sugarcane plantation and enhanced using techniques like cropping, scaling, and rotation. * Pre-trained deep learning models like **Densenet121, VGG16, VGG19, ResNet50, and ResNet152V2** are used to detect nutrient deficits in the sugarcane crop. * To evaluate the model's performance, the images are divided in the ratio 75:20:5 for training, validation, and testing. * Findings showed that the **DenseNet121** model had the highest accuracy of about **93.13%** when compared to other models.   ***Languages & Tools Used: Python, Google Colab*** | | |
| ACHIVEMENTS | | |
| * **IEEE** Best Paper Award for Research Paper in **ICIIET 2022** on ***Soil Nutrient Analysis and Recommendation System using NPK Sensor for Sugarcane Crop*** * **IEEE** Certificate of Participation in **ICACCS 2022** for Research Paper on ***Soil NPK Prediction using Multiple Linear Regression*** * **Second Runner Up** in ***Agricultural Engineering’s Fest 2022*** For Idea Hackathon | | |
| CERTIFICATIONS | | |
| * NPTEL Certifications   + Introduction To Internet of Things   + Introduction To Industry 4.0 And Industrial Internet of Things * AWS Getting Started with Cloud Security Certificate – Edx * Java Programming Fundamentals, Java SE 8 Features, Java Language Features – Infosys SpringBoard. | | |
| CO-CURRICULAR ACTIVITIES | | |
| * **CSIR** Workshop: Attended a 2-day workshop for the title “**Impact of Internet of Things & Artificial Intelligence in Next Gen Precision Agriculture 2022**”. * Club: Executive Member in **FOSS** Club (2021-2023) * Hackathon   + Participated in Design thinking Hackathon association with Mahindra Technical Academy 2022.   + Selected in **Smart India Hackathon (SIH)** Internal Hackathon 2022. * Worked as an organizer in **Code-A-Thon** event in college symposium. * Conducted a paper presentation event (**Leviathon**) for **CSI** symposium in college. * Participated on 2-day workshop for the title “**Industry Perspective of Agile and Devops**”. | | |

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| PERSONAL DETAILS |
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**Declaration:**

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

PLACE: COIMBATORE RAGHAVENDAR S

DATE: