CONTACT DETAILS

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Coimbatore , Tamil Nadu

EDUCATION

B.E. – Computer Science and Engineering
Sri Ramakrishna Engineering College (affiliated to Anna University)

CGPA – 9.03/10

12th Standard – Higher Secondary Certificate (HSC)
A.V.B Matriculation Higher Secondary School (State Board)

Percentage – 95.5%

10th Standard - All India Secondary School Certificate (AISSC)
Yuvabharathi Public School (CBSE)

CGPA – 10/10

TECHNICAL SKILLS

- **Programming Languages**
  C, C++, Java
- **Database Systems**
  MYSQL, Firebase
- **Web Technology**
  HTML, CSS, JS
- **Operating System**
  Linux, Windows

POSITIONS HELD

- Secretary of IEEE - Computer Society (2019 – Present)
- Executive Member of English Literary Society (2019 – Present)
- Student Member of IEEE, WIE and CSI.

HARINEE MIRA

Passionate programmer with an avid desire to work in a challenging work environment. Eager to start my career and contribute to the best interests of the company. My assets are my inquisitiveness to explore technology, my ability to learn new things at a faster pace and my communication skills.

PROJECT EXPERIENCE

Intravenous Infusion Monitoring and Controlling System

- Developed a system to monitor the level of liquid in the IV bottle and control the drip flow remotely from the nurse station.
- The system incorporates an IV assistance module which is attachable, detachable and portable, and a handheld remote for input. A web application was developed for remote monitoring and controlling.
- The project was awarded a **cash prize of ₹ 75,000** for winning the **Smart India Hackathon – 2019 (Hardware Edition).**
- Recognized as the **Best Mini Project** by Association of Computer Engineers for the year 2018- 2019 at College.

Size Invariant Ship Detection using SAR Imagery

- Developed a Desktop Application to perform land-water discrimination and ship detection in SAR Imagery.
- Made use of Adaptive Thresholding and Object Discrimination for initial ship detection. Performed validation using VGG16.
- Participated in the **Grand Finale** of **Smart India Hackathon – 2020 (Software Edition)** and worked on this problem statement issued by **ISRO.**

Video Classification using Keras Deep Learning

- Trained a convolutional neural network using Keras for image classification and use it for video classification.
- Made use of rolling prediction averaging to reduce “flickering” in results.

Drone Detection using YOLOv3

- Detection of drones from input image, pre-recorded video or real-time video input.
- Model was trained using underlying DarkNet-53 Feature Extraction Network and automatically stopped when no improvement was detected in validation loss for 3 consecutive epochs.

Smart Speaker - Alexa and Google assistant integration

- Developed a smart speaker by integrating Alexa and Google voice assistants, using Raspberry Pi 3.
- Achieved this with the help of Amazon Developer Console and Google Cloud Platform using the Amazon Voice Service and Google Assistant API.
- This project won **1st prize** in an intra-college event **Savishkar’18.**

ACHIEVEMENTS

- Cleared **Texas IICDC 2020 Quarter Finals**.
- **Smt. Dhanalakshmi Lingaraj Memorial Award** for securing highest mark in English among all the first year students in the Autonomous Examination (2017 – 2018).
- Cambridge English Level 2 Certificate in ESOL International (**Business Vantage**) – Score : 182/190.
- Cambridge English Level 1 Certificate in ESOL International (**Business Preliminary**) – Score : 162/170
- Won 2nd prize in the Vocabulary Quiz at the intra-college Literary competition Talentia’18.