Harshitha R D

An enthusiastic learner with a thirst for knowledge

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■ ABOUT ME

I believe that, one who desires to learn and acquire knowledge does so by finding his own ways and exploring opportunities. As an undergrad student I have embraced every opportunity that I ever came across and these have helped me learn and grow. I do not simply mean the academic knowledge one desires to acquire, instead, I also refer to every life lessons and experiences that comes from team work in a work environment.

■ EDUCATION

- **B. TECH COMPUTER SCIENCE**
  SASTRA Deemed to be University   present   9.0064 CGPA
- **SENIOR SECONDARY**
  Omega International (CBSE)   2017   95%
- **SECONDARY**
  Amrita Vidyalayam (CBSE)   2015   10 CGPA

■ SKILLS

C++   Python   TensorFlow   Machine Learning   SQL

Deep Learning   Java   Flask   UI/UX   Linux   Flutter-Basics

■ INTERNSHIPS

- **ANALYTICS INTERN**
  Palms connect LLC   3 months
  Intern based on Data Analytics and Machine Learning. Predicting survival months for cancer patients with 98% accuracy.

- **STUDENT INTERN**
  National University Singapore, Singapore   1 month
  Intern based on Data Analytics and deep learning. Successfully presented a project with 5 other teammates. Project evaluated by NUS faculty and Hewlett Packard Enterprise

- **RESEARCH INTERN**
  IIT Madras, Chennai   2 months
  Developed a flask-based GUI integrated with processor functionality testing. Work completely in Linux based environment

- **RESEARCH INTERN**

IIT Madras, Chennai   2 months
Was a part of the testing team that verifies if the developed processors satisfy the ISA
With tests written in Assembly language.

■ PUBLICATIONS

- ➢ Improved Scheme for cluster-based fault tolerant data Aggregation in Wireless Sensor Network – ICTAC journal. Paper on optimizing the performance of sensors in a network and minimizing its power consumption.
- ➢ Book chapter -Green IoT (G-IoT): An insight on Green Computing for greening the future. Springer-book title- Advances in Greener energy technologies
- ➢ Book Chapter on Agriculture and AI.

■ PROJECTS

➢ BREAST CANCER IMAGE CLASSIFICATION
Deep learning neural network was trained to classify the images into benign and four classes of malignant. Deployed using Flask and performs at 92.8% accuracy.

➢ CHATBOTS
Lily is a chatbot who helps a florist in understanding customer intents through Natural Language Processing such and can answer basic queries or chit-chat too. Mark is chatbot that recommends courses from coursera given the field of specialization.

➢ EMOTION RECOGNITION
A flutter app that can take images or videos and can recognize the emotion with a 90.1% accuracy.

➢ TRIWARD LABRYNTH
A virtual reality supported unity game. The game is to escape a maze given 3 lives and a timer that determines the end of a life.

➢ FRONT END PAGES
Developed basic web pages as well as replicated existing web pages using HTML and CSS.

■ SOCIETIES AND CLUBS

- ➢ **DSC** – Developer Student Club SASTRA University – Core Team Member – Overall Event coordinator – Explore ML facilitator - Held a Machine Learning beginner and advanced track workshop for 120 students for 3 days.
- ➢ **DAKSH** – Promotions and Outreach –organizer. Worked with various team comprising of over 100 students in organizing the technical fest DAKSH of SASTRA

■ CONFERENCE AND WORKSHOP

- ➢ Presented a paper on Wireless Sensor Networks in an International conference held in RMK engineering college, Chennai.
- ➢ Attended the Internet of Things Workshop in SASTRA Deemed to be university

■ COURSES AND CERTIFICATIONS

- ➢ **IBM – APPLIED AI PROFESSIONAL CERTIFICATE**
- ➢ **AWS Fundamentals**
- ➢ **Machine Learning A-Z and several other associated courses**
- ➢ **Deep Learning A-Z**