

Y SARVANI SWAPNA PRIYA

EDUCATION

INTEGRATED M. TECH IN ELECTRONICS AND COMMUNICATION
CENTRAL UNIVERSITY OF KARNATAKA | 2017-2022
PERCENTAGE: 86%

AREAS OF INTERESTS

EMBEDDED PROGRAMMING, INTERNET OF THINGS

PROJECT EXPERIENCE

FEASIBILITY STUDY OF DRONES FOR RELIABLE ENVIRONMENTAL SENSING— (IIT ROORKEE)

A study for a model of sensor embedded drones which act as a dynamic sensor for field of data, presenting the concept of a drone-assisted wireless sensor network. Developed using MATLAB.

PHOTO MANAGEMENT SYSTEM (IIT ROORKEE)

Open source system to sort images and first of its kind for deblurring model using CNN and deep learning. Built a system to detect blur, similar images and deblurring images using CNN and Deep Learning. Developed on Python

IoT BASED SMART DOOR LOCK (IIT PALAKKAD)

Project was of IoT based smart door lock, to be implemented in institutions. Have worked on Nodejs, MongoDB, and Mongoose for the server communication and storing of data. Built an ExpressMail system, used SHA algorithm to protect data. Hardware was controlled using commands sent from the ESP8266-01 Wi-Fi module.

INTERNSHIPS & PROJECTS

WEB DEVELOPMENT (KNOCKONCE)

Developed an E-Commerce website on OpenCart with the use of various extensions for payment gateways with GooglePay, PayTM were added. Provided a whole end to end commercial data analysis platform.

ONLINE INDUSTRIAL TRAINING ON INTERNET OF THINGS (NSIC)

15 days of industrial internship on Industrial applications of Internet of Things & applications using ESP 8266, IFTTT. Developed a robotic car using API's & Commands.

INTERNSHIP PROGRAM ON MATLAB (PANTECH SOLUTIONS)

Worked on applications of Image processing, Plotting, deep Learning and signal processing. Developed a deep learning model for image processing.

CONTENT WRITING & GRAPHIC DESIGNING INTERN (NEW DELHI CONNECT)

Published various articles in varsity of topics for website blog. Worked on Adobe Photoshop and Adobe Illustrator for creating various graphic designs.

CERTIFICATIONS & COURSES	AI MASTER CLASS OCT 2020 - NOV 2020 PANTECH SOL POWER SYSTEMS RELIABILITY OCT 2020 ATAL FDP ARTIFICIAL INTELLIGENCE RESPONSIBLE FOR SOCIAL EMPOWERMENT OCT 2020 MINISTRY OF ELECTRONICS AND IT (RAISE 2020)
NPTEL CERTIFICATIONS	THE JOY OF COMPUTING USING PYTHON JULY 2018 – OCT 2018 IIT MADRAS INTRODUCTION TO INTERNET OF THINGS JAN 2019 – APRIL 2019 IIT KHARAGPUR INTRODUCTION TO ENVIRONMENTAL ENGINEERING AND SCIENCE -FUNDAMENTAL AND SUSTAINABILITY CONCEPTS JULY 2019 – OCT 2019 IIT KHARAGPUR COMPUTER NETWORKS AND INTERNET PROTOCOL JAN 2020 – APRIL 2020 IIT KHARAGPUR TECHNICAL ENGLISH FOR ENGINEERS SEPT 2020 – NOV 2020 IIT MADRAS SOFT SKILLS SEPT 2020 – DEC 2020 IIT ROORKEE INTRODUCTION TO INDUSTRY 4.0 AND INDUSTRIAL INTERNET OF THINGS JAN 2021 – APRIL 2021 IIT KHARAGPUR
SKILLS	PROGRAMMING LANGUAGES AND DATABASES: Python, C++, SQL, MongoDB, NODE.JS, Arduino SCIENTIFIC SOFTWARES: MATLAB, MS EXCEL, OpenCart SOFTWARE AND IDE TOOLS: Spyder, Jupyter notebook, Arduino IDE OFFICE SOFTWARES: Microsoft Office, Libre Office, LaTeX, DocBook OPERATING SYSTEMS: iOS, Linux, Windows
REFERENCES	Dr. VEERESH G KABERGOUDAR ASSOCIATE PROFESSOR & HEAD OF DEPARTMENT ECE Dept., Central University of Karnataka, Kalaburagi veereshgk@cuk.ac.in Dr. DHEERAJ KUMAR ASSISTANT PROFESSOR Department of Electronics and Communication Engineering Indian Institute of Technology Roorkee dheeraj.kumar@ece.iitr.ac.in