TARUN SNEHITH KISHORE REDDY KARNA

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EDUCATION

Master of Computer software engineering — Graduating May 2021
Arizona State University, Tempe, AZ — GPA 3.56
Bachelor of Technology, Information Technology — Graduated May 2019
CVR college of Engineering, Hyderabad, India — GPA 8.66

TECHNICAL SKILLS

Languages: C, C++, Java, Java script, Python, CSS, HTML, SQL.
Frameworks: Eclipse, Django, Android studio, ADT bundle,Electron.
Simulation tools: MATLAB.

WORK EXPERIENCE

INTERNSHIP
GOEPEL ELECTRONICS, Bangalore, India — May 2018 – July 2018
Cluster analysis using 'C' language

- Performed cluster analysis for Speedometer and Tachometer of an Audi car.
- Cluster is connected to the PC via a bridge using a Bus Controller(CAN 61 plus) which is a GOEPEL ELEC‗TRONICS product.
- Implemented a program in the Visual studio by including the GOEPEL'S API to make the cluster respond.

PROJECTS

Calculator application-Scratch math model : Sep 2019 - Nov 2019

- Developing an electron desktop application using javascript and nodeJS for calculating all mathematical operation and also created a playground where we can add assignments for the students.

Retinal Blood Vessel Segmentation: Dec 2018 – Feb 2019

- MATLAB Application which helps the user to segment the eye-retina images.
- Implemented user interface which takes retina images as input and segments images through channel color switching and boundary detection using line tracking algorithm.

Mobile Application for food donation: Aug 2018 – Sep2018

- Android application which helps user to donate food through this app which helps in reduction of food wastage.
- Implemented different modules for the users and admins. Database is created using SQL where the list of the food items and all other credentials/details are stored.
- Developed a functionality to send push messages to the users nearby using GPS and SMS manager.

Disease Detection on crops (Smart city hackathon): April 2018 – May 2018

- Automated detection of diseases by continuous monitoring of image data.
- Implemented user interface which takes crop/plant images as input and detects the diseases the plant might suffering from (Build using android studio).
- Performed data exploration, preparation and modeling to predict the disease type.

ACHIEVEMENTS

- Merit (Top 20) in SMART CITY HACKATHON.
- Organized a workshop on python at college level
- Organized a Two-Day Workshop on DATA ANALYTICS WITH R at CVR College of Engineering.
- Volunteered in SMART INDIA HACKATHON.
- Certified HTML, CSS, JAVASCRIPT developer from SoloLearn.