Manoj Boddu

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EDUCATION

Master of Science, Computer Science   **2021-Present**

Arizona State University, Tempe
- Coursework: Foundations of Algorithms, Software Requirement & Specifications, and HCI

Bachelor of Technology, Computer Science Engineering   **2017-2021**

Vellore Institute of Technology, Vellore
- Graduated with a CGPA of 8.25/10

SKILLS

- **Programming languages**: Python, Javascript, Java, C++
- **Frameworks**: Bootstrap, Angular, NodeJS, Flask, Django, TensorFlow
- **Database Management**: MySQL, Sqlite3, MongoDB
- **Technologies and software**: GIT, Android Studio, Wordpress, linux, Flutter

PROFESSIONAL EXPERIENCE

Web Development Intern - Toroid Technologies, Mumbai   **MAY 2020-JUNE 2020**
- Development with modern technologies such as Angular, Webpack, Bootstrap, Git.
- Active participation in the development process through the entire software Life-cycle under Agile methodology.
- Outcome – toroid.in

Web Development Intern - Delineate Innovations Private Limited, Mumbai   **JAN 2019-MARCH 2019**
- Collaborated with the team to design, structure and implement new website from start to finish according to the client requirements.
- Participated in weekly meetings with executives, supported brainstorming and idea generation.

PROJECTS

Covid19 Prediction using deep learning   **JUNE 2020-AUG 2020**
- Implemented using 4 deep learning algorithms VGG16, ResNet50, InceptionV3 and Xception
- Developed a website where users can upload their chest X-rays to get the Covid19 prediction
- Technologies used - TensorFlow and Flask

Country Details – Python package   **JAN 2020-APR 2020**
- Developed a python package for countries information and published in the official PyPI index.
- Users can install it using pip install country-details from their terminal

Attendance Management Using Facial Recognition   **NOV 2019-DEC 2019**
- The software uses facial recognition of students for marking attendance automatically in the excel sheets.
- Fisher Face and python tkinter has been used for developing the project and GUI of the software respectively.

Home Automation using Raspberry pi   **SEP 2019-NOV 2019**
- Implemented a home automation control of fans, lights, water level checking and temperature checking
- Users can control with their mobile phones from anywhere (no Bluetooth or same network needed)
- Technologies used – Raspberry pi, python, firebase, flutter

PUBLICATIONS

- Deep Learning Techniques for Detection of Covid-19 using Chest X-rays   **JUNE 2021**
- Image to Image Translation using Generative Adversarial Network   **OCT 2020**
- Difficulty Level Prediction of a Question Paper Using Naïve Bayes Classifier   **SEP 2020**

EXTRACURRICULAR ACTIVITIES

- Certification in Udacity Deep Learning Nano degree course
- Technical Head of SAHITI club at VIT, Vellore
- Runner up in HackerTech-19' Hackathon
- Freelancer in web development (freelance works are sahiti, loyaldreams, bhavaniskytowers