Bhanudeep Simhadri

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Software Developer

I am a highly skilled software developer experienced in **C, Python, Flask, HTML, CSS, JavaScript**. I am looking for a position in the Computer Science industry where I can use and develop my skills while also being resourceful and adaptable to the growth of the organization and myself.

Technical Skills

Languages	:	Python, C, C++, JavaScript, HTML, CSS
Frameworks	:	Flask
Libraries	:	Tensorflow, face-recognition.api, Mininet, keras-ocr
Databases	:	MongoDB, MySQL
Dev Tools	:	Visual Studio Code, Git, Colab
DataScience Tools	:	RapidMiner

Experience

Full Stack Application Developer Aug 2022 – Jan 2023
Jawaharlal Nehru Technological University Hyderabad *Remote – Hyderabad, Telangana, India*

- Developed a complete desktop application for a system of attendance that uses face recognition. Focuses on simultaneously capturing attendance for a group of students in a class
- **Flask** framework was used in backend to build this application
- This web application was later **compiled to an executable file with all the necessary dependencies**. And is compatible with **Windows 10 or later** OS
- As the state government has mandated biometric-based attendance, This application is currently being used at various colleges. Link to Application

Software Developer Intern Sep2021 – Jan 2022
Cloud QA *Remote – Hyderabad, Telangana, India*

- Assisted senior web developers in developing and managing dynamic and responsive website using **HTML, CSS, JavaScript, and C#**
- Worked with **Selenium** to automate elements in a webpage
- Fine tuned **website performance** and speed through optimization techniques

Education

Jawaharlal Nehru Technological University Hyderabad Hyderabad, Telangana, India
Bachelor of Technology in Computer Science and Engineering *July 2018 – July 2022*

Projects

Detection of DDoS attacks on SDN network using Machine Learning *Python, Mininet, hping3, iperf* Source Code

- Designed and deployed local SDN network using **mininet**. Tools such as hping3 , iperf are used to generate DDoS and Normal traffic
- Designed and developed various Machine Learning models using **RapidMiner** to perform comparitive analysis on accuracy of various Machine Learning models using this **locally generated dataset**
- Best performing model among them was selected and deployed on the SDN network to monitor and detect DDoS network traffic

Accident Detection and rescue system using Deep Learning *Python, Tensorflow, mongodb, SMTP* Source Code

- A **Deep Learning** appliaction to detect accidents and alert emergengy services as well as victim's trustee

- A **Deep Learning** model was trained using **custom generated and labelled dataset** using **Tensorflow in google Colab** to detect accident
- When an accident is detected,**licence plate number** is extraced using **keras-ocr** and then details linked with this number are fetched, finally an alert is sent to victim's trustee and emergency services