SAI NARASIMHA VAYILATI

CAREER OBJECTIVE

Aiming for a responsible position in a renowned organization enables me to utilize my skill set to the fullest and grow professionally in achieving corporate goals.

ACHIEVEMENTS

- Final Round Winner of Data Structure workshop cum Championship organized by IIT Roorkee held at Zonal center K L University.
- Zonal winner at KL University for Cybersecurity Championship.
- Merit in National Level Workshop cum Championship Quadcopter Development organized by Revert Technology, IIT Roorkee.
- Awarded first in Poster Presentation in Samyak- Smart Cities 2K18.
- Public relations lead for National level techno-management fest- 'Samyak.'
- Specialized in web designing.
- Certified Labview Associate Developer by National Instruments. Merit in the project exhibition event conducted by National Instruments.
- Resource person in the national wide webinar on "Advanced Open-Source Database-PostgreSQL".

TECHNICAL SKILL SET

IT Skills:
- Python, Java, and C programming
- PostgreSQL
- CSS, HTML and React JS

Core Competencies:
- TensorFlow, PyTorch and Intel open vino framework.
- MatLab, NI-LabView
- Verilog and VHDL Programming

PERSONALITY TRAITS

- Avid learnability
- Social work enthusiast
- Determination and Persistence
- Optimism
- Discipline
- Teamwork and leadership

WORK EXPERIENCE

Zoho Corporation - Member Technical staff

July 2020 - August 2021

- Worked on face recognizance system and retrain model, using PyTorch framework and using this generated security entry system for campus login.
- Enhancing campus security with a Person re-identification system enables tracking personal details from person log in to logout of campus and helps track blocked list person. Then maintaining these details in DB so that querying person details will come in handy and catching theft event very easy by blocked list person.
- Worked on LPR system using open vino framework and maintaining automatic DB for incoming and outgoing vehicles.

Zoho Corporation research and developer Intern

Jan 2020 - June 2020

- Worked on TensorFlow and PyTorch framework and Intel open vino framework.
- Worked on retaining the models with custom datasets on GPU.

CDK Global software developer Intern

May 2019 - December 2019

- Automated auditing process for computerized vehicle registrations.
- Developed web application for CVR(computerized vehicle registration) using Python and PostgreSQL database.

BSNL Intern

May 2018 - June 2018

- I have acquired hands-on experience in mobile communication and implemented fireworks algorithms in the Antenna array.

PREVIOUS EDUCATION

KL Deemed to be University

Bachelor of Technology in Electronics and Communications specialized in signal image processing

- Ranked among the top 5% of the graduating class with a CGPA of 9.38/10.
- President of literary club-Vachas (Giving voice to the voiceless).
- Core Member of the National Service Scheme(NSS)
- Web designer and App Developer at KL-Radio.

KKR'S Gowtham Educational Institution

Class Salutatorian, graduated in 2016

- Obtained CGPA 9.5
- Captain of school Volleyball team (2016)
- School pupil leader(SPL) (2014 to 2016)

HOBBIES

- Coding educator
- Badminton
- Puzzle-solving
- Travel and food blogging
- Volleyball

LANGUAGES KNOWN

- English
- Telugu
- Hindi
- Spanish - certified

GET IN TOUCH WITH ME

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CERTIFICATE COURSES

- Sequence Models by DeepLearning and organized by Coursera. (*Dec 2019 - Jan 2020*)
- Structuring Machine Learning projects by DeepLearning.(Jan *2020- Feb 2020*)
- Cloud Computing Emerging Technologies from LearnQuest. (Feb 2020- March 2020)
- Specialized in Web Designing includes five courses from the University of Michigan. (March 2020 - April 2020)
- Android Application Development from IIT Hyderabad. (July 2017)

ACADEMIC PROJECTS

Python Automation and Shell Scripting

- Selenium to Automate Reputation check through sites like sucuri, Mxtoolbox and Cisco's Talos, Zulu Zscaler which is used for everyday activities in the project.
- Developed an Automation script for the client on Zscaler Security Risk checks, reduced clients workload of 8 hours each week.
- Developed a solution for SLA management in ticketing tool (BMS Remedy).
- Whitelist and Blacklist of URLs in Cisco Ironport and ScanSafe devices.
- Written Shell scripts for transfer of backups and running updates on the production environment.
- Developed a Shell script for Parsing and retrieving Snort, Cisco TalosRules from Cisco Firepower IDS and pushing them across the open-source platform of the project (Security Onion).

Sidelobe Level Reduction using Fireworks Algorithm

The objective is to reduce the sidelobe level of the linear antenna array using the Fireworks algorithm.

- Formulate an optimization to solve the beam pattern synthesis problem in Linear.
- Samples including 16-element LAAs are conducted to verify the optimization performances of the SLL reductions and the fill rate was improved by 78.53%.

Big Five Personality Prediction from Social Media Data using Machine Learning Techniques

The main goal of the project is to evaluate several machine learning models and obtain the best machine learning model that will be used to classify the big five personality traits of Twitter users. This is done by:

- Building the machine learning models.
- Training the models.
- Testing the models.
- Evaluating performance measures