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Career Objective

Self-motivated and hardworking fresher seeking for an opportunity to work in a challenging environment to prove my skills and utilize my knowledge & intelligence in the growth of the organization.

Key Skills

Language: Proficient in C, C++, Core JAVA, Adv JAVA, JAVA Swing, C#, PHP, Python
Web Development: GUI using JAVA Swing, Dynamic Website using PHP, Web Scraper using Python, Web Automation using Selenium WebDriver.
Cloud Platform /Operating Systems : Windows Server, Linux, OpenStack
Networking : SDN, VNF, NetConf, Network Automation using Python
Data Sciences : Machine Learning Algorithms, Apache Spark, Neural networks

Strengths

- Excellent communication skills.
- Ability to grasp new skills quickly.
- Hard-working.
- Excellent knowledge of Core subjects.

Academic Qualification

- B.Tech (CSE) – SRM University, Chennai (2018)

Courses taken

Spark Fundamentals I Cognitiveclass.ai
Certificate:
https://courses.cognitiveclass.ai/certificates/5937c2189a4b41b99bdba4d207c7498c

Online course on www.cognitiveclass.ai on the basics of Apache Spark. After taking this course I can describe Spark, articulate its benefits, and describe how it is used. I can also use Resilient Distributed Datasets (RDD) and DataFrames to perform in-memory computing and create applications on top of the Spark built-in libraries.

Data Science with Python
Beseant Technologies, BTM layout

3 month classroom course on Core Python and Data Science

Internships Projects

Project : Network Anomaly Detection – Machine Learning
Organization : CISCO System (I) Ltd (for Reliance Jio)
Mentor : Mr Krishnaji Panse, CTO Cisco systems
Team size: 1
Front End: Graphana
Back End: Apache Spark, Kafka Bus, Ansible, Python

Project description: 4 Months paid Internship Project @ Cisco. This was a part of the larger Network Automation project undertaken by CISCO for their Customer Reliance Jio who has implemented the Largest IPMPLS network in the world for their PAN India 4G Network.

The Objective of the Network Anomaly Detection project was to learn the pattern of Network usage using KNN machine learning algorithm and detect network anomaly proactively and alert of a **Possible Failure in Advance.** This then feeds into the larger Network Orchestration and Management systems being built by CISCO for the customer.

The Project used Apache SPARK for AI and data processing. Integrated to the KafKa Bus for deriving the Log data from the Syslog servers & Integrate to Ansible Playbook to take automated Remedial Actions.

This was also my Final Year Project and Presented a paper at ICRDEST-2018 held at SRM University , Chennai

Project : Software Defined Network – VNF orchestration
Organization : ADVA Optical Network
Mentor : Vishal Chandankhede – Technical Leader

Project description: A 4 month paid internship at ADVA where I worked with their SDN VNF platform. I was given the task to utilize the Netconf protocol to communicate with VNFs in the network and script routines that involved receiving a certain type of alert from one of the devices and adjusting the configurations of other devices in the configurations respectively.

Project : PStreamer – centralized Media Streaming for Office
Organization : ADVA Optical Network
Mentor : Vishal Chandankhede – Technical Leader
Front End: Flask
Back End: Python, Google Chromecast API

Project description: A project delivered to ADVA Optical Networks as a part of the internship. A platform that utilized a network of ChromeCast devices connected to TVs and screens across the office network to centralise and automate content shown on the screens. The platform allowed each screen to be managed remotely and allowed them to be automated to perform scripted tasks. The platform consisted of a web dashboard in which

authorised users could remotely set the content that could be shown on the screen at idle time such as ads for the company or announcements for corporate events hosted by the office management. It could also be used by developers to set a screen to permanently show the build statuses of their projects. In meeting rooms, laptop screens could be casted onto the Tvs with a click of a button and could allow split views of multiple laptop screens.

Project : OpenStack Cloud Platform
Organization : Tata Communications, Chennai
Mentor : Sunny Achantani – Technical Leader

Project description: A two 2 week training internship at Tata Communications Ltd. I was trained in installing OpenStack onto an Ubuntu server, setting up Murano, deploying an application on the cloud and maintaining the network.

Other Projects

Project: Self Assembling BOT
Mentor : Dr. C Pandian – SRM University Material Science Prof
Team size: 5
Front End: EEPROM prototyping device
Back End: C++
Project description: We are trying to develop a group of robots that will arrange themselves into any shape as specified.I am responsible for the teams that would develop algorithms to effectively and efficiently form desired shapes, program the electronics and to design the UI.

Project: Electronic Ballot System
Team size: 2
Front End: BGI(Borland graphics interface)
Back End: C++
Project description: Created a GUI based C++ program to Elect the Class Representatives. The Software had an option for the students to log into the system and cast their Vote to the candidates of their choice. This program is being used by the School even today to elect the class representatives. Received the Acknowledgement from the School principal for this project.

Project: Web Crawler Software
Team size: 1
Front End: Posts to a Facebook page

Back End: Java, jsoup, Python, BeautifulSoup4, Facebook Graph API
Project description: Personal project that involved an automatic web scraper script that was hosted on a remote server and ran at a scheduled time in the morning everyday. It scoured the internet for viral images, saved them and cataloged all information pertaining to them such as upvotes.likes,description of the image, etc onto a database. A second script with API access to a facebook page sorted the images by popularity and posted them to the page once every hour throughout the course of the day.

Achievements

- Appreciation from the Mentors in ADVA and CISCO for the work done in internship.
- Published Paper on Machine learning in network anomaly detection

- Level 4 problem solving badge on Hackerrank.com

- Python proficiency badge on Hackerrank.com

Personal Details

- Total experience: Fresher
- Relevant experience: Fresher
- Current location: Bangalore
- Interview face-to-face: Yes

Date of Birth: 04 Sep 1996.
Address: 1431, 37th C cross, 11th Main,
4th T block, Jayanagar,
Bangalore – 560041

Languages known: Kannada and English.