SARANCHOWDARY

726-206-5817 | saranchowdary.malakalapalli@my.utsa.edu | LinkedIn | Github

EDUCATION

The University of Texas at San Antonio **Expected: Dec 2023**
Master of Science in Information Technology GPA:3.96/4
Andhra University **2012-2016**
Bachelors in Electronics and Communication Engineering GPA: 8/10

CERTIFICATIONS

- CCNA R & S | HPE-ACMP | HPE -ACCP | HPE-ACSA | CS50 |

TECHNICAL SKILLS

- C, Python, Html, CSS, JavaScript, Django, Git, SQL, Machine Learning, Deeplearning, Pytorch, TCP/IP Networking, Network-Security, Cloud-Aruba-Central, Aruba-Clearpass, Aruba-wireless-Controllers, Ixia, Iot,

WORK EXPERIENCE

Graduate Teaching Assistant | The University of Texas at San Antonio **Feb 2022 - Current**
- Assisted undergraduate students with Network & application security labs for the course IS 3423
- Graded Lab assignments & Quizzes for the Network security course.

Software Network Engineer R & D | HPE -Aruba Networks | India **May 2019 - Jan 2022**
- Automated system test plans for access layer security dot1x authentication, Mac authentication using python
- Worked on end to end delivery of Halon OS during multiple releases for features access-control-lists, Client ip tracker, Zero touch provisioning
- Tested enterprise switches, aps with cloud-based network management system aruba-central. Developed test plans for acl feature configuration through aruba central.
- Well-versed with AAA framework (authentication, authorization, and accounting), Devicefingerprinting, accesslists, Client IP tracker, VRRP,WIDS,LLDP, Wireless controllers, Radius,Tacacs Virtual switching framework, DHCP, DNS, NAT, GuestCaptiveportal, Ospf , BGP.
- Familiarity with Jira ticketing, humio logs analyzing and debugging of support files produced in switch

Network Engineer | Tata Consultancy Services | India **Feb 2017 - May 2019**
- Developed and tested wireless security proof of concepts for customer-specific requests
- Deployed NAC (Network access control) solution for automated BYOD (Bring your own device) provisioning, & device compliance & Handled configuration backup restore of network devices
- Implemented campus WLAN solution and integrated BLE beacons, IoT devices with AP (access points) for an indoor navigation system Configuration management of Aruba ClearPass (Radius & Tacacs) i.e. identity access policy platform.

PROJECTS

AI Powered chat:
- Developed AI powered web chat applications using LLMs and lang chain framework.
- Tech used: Python , lang chain framework , streamlit,

Secure File Management System
- Developed web file management system implemented authentication authorization, logging functionality.
- Tech used: Python, Django, LDAP server, Html, CSS, Google cloud.

Aruba-Hackathon:
- Developed a Prototype for Aruba Hackathon i.e. HPE-NEIOT (Hewlett Packard Enterprise – Network & IOT operations) for secure integration of Wireless AP and IoT modules (Raspberry-pi, Esp-8266) managing through the single cloud platform

Network Designing
- Simulated a Network for a smart city using EIGRP Routing protocol with Cisco packet tracer tool

ACTIVITIES AND HONORS

- Customer First award from HPE.
- Received Technical excellence award from TCS.
- An active member in UTSA Computer Security Association & CompTIA student chapter, participated in Rowdy hacks hackathon, & Stood 4th place in UTSA CTF & Top 4% in Try hackme