RANJEEV NAYAK

System Engineer – Tata Consultancy Services

To work as Automation Engineer experience in Python, Flask/Django, JS, CI/CD, Debugging, AWS Cloud & Networking. Working experience on software development life cycle (SDLC) – concept, design, build, deploy, test, release, and support. Excellent communication skills and ability to work effectively on shared projects.

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EDUCATION

Bachelor of Technology

HMR Institute of Technology & Management
2015 – 2019   *7.7 CGPA*

Senior Secondary (XII)

Dashmesh Public School
2014 – 2015   *76 %*

Secondary (X)

Dashmesh Public School
2012 – 2013   *9 CGPA*

CERTIFICATIONS

Udemy

- **Network Automation with Python**
- **Manage AWS with Python**
- **Developing with S3 using Boto3**
- **RDS PostgreSQL and DynamoDB on AWS**

Linux Essentials Professional (CISCO)

Cisco Certified Network Associate (CISCO)

Network Security Associate (NSE)

Certified Ethical Hacker (BRSC)

Cybersecurity Professional Certificate

Certified Information System Security Professional

Agile Methodology (TCS)

LINKS

GitHub

https://github.com/ranjeevnayak

LinkedIn

https://www.linkedin.com/in/ranjeev-nayak/

Portfolio

https://nameless-plateau-14062.herokuapp.com/

SKILLS

Languages : Python, JavaScript, PHP, SQL, Bash

Framework : Flask, Django, Rest API, Jinja Template

Design pattern & Technique : MVC, MVT, ORM

Others : Html, CSS, JSON, XML, SQLite, PostgreSQL, pgAdmin, Socket, Postman

Cloud : AWS, Lambda , S3, RDS, DynamoDB, EC2, GCP

CI/CD : Git, Jenkins, Docker, Ansible, Ignio, Apache Tomcat, Gunicorn, Nginx

Python Libraries : Netmiko, Paramiko, Telnetlib, Napalm, Subprocess, Scapy, Boto3, Pytest, Chart.JS NumPy, Pandas

Linux OS : Kali, Centos

Networking : TCP/IP, OSI, Routing & Switching, WLC, Firewall, Load Balancer (BIG-IP F5)

Web Application Penetration skills : OWASP TOP 10, Command Injection, RCE, LFI, XSS, SQL Injection, IDOR, Rate Limiting, CORS, Host Header Injection, Session & Email Misconfiguration (SPF/DMARC), Business Logic Flaw, Click Jacking, OTP Bypass, 2FA Bypass, Nmap, Netcat, Metasploit, Dirb, DirBuster, Burp Suite,

ACHIEVEMENTS

- Gold Badges in JavaScript, Python Programming & Problem-Solving Hacker rank.
- Python Certificate from Hacker rank
- JavaScript Certificate from Hacker rank
- Problem Solving Certificate from Hacker rank
- Range Force Ethical Hacking certificate
- Under Top 2% in Try Hack Me

WORK EXPERIENCE

Tata Consultancy Services

Project: Jaguar land Rover

System Engineer *(Aug 2021)*

Technology : Python, Flask/Django, Linux, Socket, Jinja, Rest API, CI/CD, Chart.JS

- Design a Web application for daily health check-up of cisco devices like Catalyst Switch, Nexus Switch, WLC & Firewall. Also we can monitor device status & can capture the device configuration & Backup.
- Implement Pool Member enabling & disabling functionality using F5 Python SDK.
- Developed dashboard which contains different type of charts using **Charts.js** for easy analysis of the data.

Assistant System Engineer *(Aug 2020 – Jul 2021)*

Technology : Python, Flask/Django, Jinja, Tomcat server

- Development of a Web application through which organization can monitor link Utilization of the Cisco Devices.
- Automate the functionality of Vital QIP & also use Cronjob to schedule jobs to run periodically at fixed times, dates, or intervals.
- wrote specs for company's network policy around wireless and Design portal to manage different alert Generation related to Cisco Devices.
- Developed documents export logic in CSV and PDF format.
- Integrate Email functionality when any spike occur or utilization graph goes high for any devices.

Assistant System Engineer Trainee *(Aug 2019 – July 2020)*

- Fixed existing bugs in the JLR Applications
- Automate the Backup of ASM & ESM server & designed script to add network devices in TFTP server using CRUD Operation.
- Configure DNS & DHCP task using Python & Bash scripting
- Covert Autonomous to Light weight Access Point using python Scripting
- Automate IOS Upgrade of cisco Switch using Python & Network Libraries

PROJECTS

Gesture Detection Web App *(2018)*

- Pose Net used to estimate either single & multiple poses.
- Algorithm designed that can detect single person & multiple persons in an image/video.

Space Invader Game *(2019)*

- Game using human body movements to control the movement of aircraft.
- To reduce the cost of IOT sensors used in movement detection by using webcam and POSENET library to generate image matrices.

GitHub User Search (*2020*)

- Using GitHub API to Implement the Web Application.
- login & signup Authentication
- Display user information in form of Fusion Chart.
- It fetches real time data of any users.

Designed Various Pentesting Tools (*2021*)

- Made different backdoors, payload and malware to perform attacks on real time machine & websites as well.
- Finding bugs on various sites in Hacker one, Bug Crowd & Other Private program.
- Perform enumeration to extract user details, machine names, network resources & services.
- Created Port scanner to identify different Port on Vulnerable Machine

INTERNSHIP

Project : Asset Management

Siemens Technology & Services Pvt Ltd

HOBBIES

- Watching & Playing Cricket
- Reading Article on Hacking Tools