

Entry Level IT Professional

NETWORKING OPERATIONS - IT SECURITY - SYSTEM ADMINISTRATION AND SUPPORT

PROFESSIONAL SUMMARY

- **Recent Computer Science and Engineering graduate** with key skills in **Networking and IT Security Operations**
- Possesses strong knowledge of **Operating Systems, Ports, Firewalls, Processes, File System, Access Lists, User Permissions, Network Protocols, SSH** and so on
- Successfully developed a **GUI Application at BEL for System Hardening** and its rollback aimed at automating the process of hardening Operating System and reducing the time taken to restore it
 - Developed within a week from scratch after formal training on System Hardening and benchmark standards
- Acquired understanding and practical knowledge of **Programming Concepts, Software Development Lifecycle and Business Requirements of an organization**
- Competent in **Wireshark, Nessus and other Security Tools**; well versed with **LINUX & Windows environments**
- **Displayed effective communication** when developing the system based on the specified requirements
 - Showed complete integrity in developing the application based on observations made during **VAPT of other similar systems**
- **Certified in:**
 - **Detecting and Mitigating Cyber Threats and Attacks – Coursera**
 - **IT Security: Defence Against the Digital Dark Arts from Google**
- Focused and goal-driven with excellent problem-solving & analytical skills

KEY SKILLS

Networking Operations	Troubleshooting Operations	Project Execution
Network Security	Requirement Gathering	Client Relationship
IT Support & Analysis	Quick learning & Productive Personality Traits	Team Collaboration

INTERNSHIP

BHARAT ELECTRONICS LIMITED, Bengaluru

Feb 2020 - Mar 2020

Intern

- Developed a GUI Application for System Hardening and its Rollback
 - The application automated the process of OS Hardening and reduced the time taken to restore the OS to its original state
 - The application remains in use by BEL and possibly by its clients
- **Used C++ and Qt5** to develop a GUI Application that runs BASH scripts to implement or remove hardening measures based on **CIS Benchmark for UNIX like OS's**
- Assisted in day-to-day operations of the department and **gained insights into development, testing and maintenance of Military IT systems**

Highlights:

- Gained knowledge of the cybersecurity concepts and insight into VAPT as well as security measures taken while designing IT systems
- Provided extensive documentation of the application designed

Intern

Jan 2019 - Feb 2019

- Developed a **Technical Forum website** using **Spring Framework and JS with REST APIs** for the **BEL Smart City Project**, along the lines of StackOverflow
- **Credited for completing the assigned project within the defined timeline** of the internship and used the remaining time to improve on the project

TRAINING ATTENDED

ARVIND MILLS LIMITED
Vocational Trainee

Jul 2018

- Worked with IT support and Issue Tracking System to get familiar with raising and resolving tickets process of Technical Support in an organization
- Managed the IT Helpdesk to solve L1 tickets
- Identified critical vulnerabilities and provided remedial solutions
- Assisted floor technicians with calls

KEY PROJECTS EXECUTED

Title: Wi-Fi Direct Chat Application for Disaster-Struck Areas

Tools: Kotlin, Java

- Developed an Android-based chat application using Wi-Fi Direct and Legacy Wi-Fi to allow users to communicate with each other as well as share location and needs during an emergency
- The application was made as a Final Year Project and was selected for the **Karnataka State Centre for Science and Technology (KSCST) grant by the State Govt.**

Title: CLI Tool To Track Coronavirus

Tools: Python, Selenium

- Developed a CLI Tool that shows the current status of Covid-19 in India or around the world
- For India, data was parsed from an open-source API to get individual states' trends and for the world data, used web-scraping to obtain the latest data
- The project is compatible and can be expanded into a web dashboard or chatbots

Title: Travel Management System

Tools: JavaFX and DBMS

- Developed a Travel Management System in DBMS which facilitated booking tickets with a choice of dates, mode, and number of passengers as well as an appealing UI and two-factor authentication
- It was a standalone system and displayed details of the top tourist destinations and favorable packages

IT SKILLS

- JAVA (OOP, Spring, Database, Sockets)
- Python (Automation, Web-servers, Sqlite)
- BASH, Perl, Powershell in shell-scripting
- ReactJS, HTML6, CSS for Web-Development

BEYOND CURRICULUM

- Published a paper on Wi-Fi Direct based Chat Application in **International Journal of Advance Research, Ideas and Innovations in Technology (IJARIIT)**
- Managed a college Wi-Fi network and **implemented rules for MAC-based access to the network**
- Built a Home Lab Set-up for understanding and **implementing Network Security concepts**
- Member of various Technical Clubs in College
- Assisted in organizing Google's ExploreML Workshop in College during Sep 2019
- **Part of FSMK Glug** conducted various workshops to promote free and open software throughout the academic years to instil curiosity and knowledge among college peers

CERTIFICATIONS

- Detecting and Mitigating Cyber Threats and Attacks – Coursera **May 2020**
- IT Security: Defence Against the Digital Dark Arts from Google – Coursera **Sept 2020**
- Ethical Hacking – NPTEL **2019**

EDUCATION

B.E. (Computer Science), Sai Vidya Institute of Technology

2020

7.84 CGPA