

## 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

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## TRAINING ATTENDED

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**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

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## KEY PROJECTS EXECUTED

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**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

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## IT SKILLS

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

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## BEYOND CURRICULUM

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- 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

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## CERTIFICATIONS

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| • Detecting and Mitigating Cyber Threats and Attacks – Coursera             | <b>May 2020</b>  |
| • IT Security: Defence Against the Digital Dark Arts from Google – Coursera | <b>Sept 2020</b> |
| • Ethical Hacking – NPTEL   | <b>2019</b>      |

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## EDUCATION

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

**2020**

**7.84 CGPA**