

Rupali Gaidhani

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Highly Motivated Cyber-Security Professional with strong academic background and experience excelling in electrical engineering.

ACHIEVEMENTS, SKILLS, AND ABILITIES

- Ability to **apply Cybersecurity principles** and products to **manage real-world vulnerabilities** in systems and networks of industries and corporate sector.
- Strong working knowledge of software, operating systems, and security operations.
- Ability to experiment with tools to identify attacks, mitigate vulnerabilities, and to **take protective action** in compliance with security best practices.
- Committed to deliver thoroughly secure and high performing software solutions
- Can **assess Information security products** and software capabilities against requirements.
- Risk assessment and vulnerability management capabilities to enhance organization's overall security.
- Thorough understanding of the latest security principles, authorization and authentication techniques, and protocols.
- Good understanding of Open Web Application Security project (**OWASP**) risks.
- Well versed in **reading logs and event viewer**, and diagnosing advance problems.
- Possess good knowledge of HIPAA security act
- Manage document and present **evidence report** to peers and clients.
- Understanding of the basics of the Comprehensive National Cybersecurity Initiative (CNCI) and **critical infrastructure** sectors, potential threats and counter-intelligence systems.
- Can work independently with minimal direction; **self-starter** and thrives in fast paced challenging environment.
- Good written and verbal **communication skill, problem solving skill and Business analysis** skills.
- Authorized to work in US

EDUCATION

LaunchCode Graduate LC101 July 2018.

Learned following programming languages

Python

HTML, CSS

Java, Java script Spring MVC

Master Of Science in Cybersecurity (MIS) - GPA -3.85- Webster University May 2017.

B.E.(Bachelor Of Electrical Engineering) - First Class with 61.4% from Pune University, India in July 2008.

TECHNICAL QUALIFICATIONS

Information Security Tools -Pro-discover, Web application vulnerability assesment Tool-**Burp Suite**, **WinHex**, PassMark Software **OS-Forensics**, Network vulnerability assessment tool-**Wireshark**, **FTK Imager**, Kali-Linux. Internediate knowledge of Firewall configuration and network security.

Software Applications -MS Office 2000/XP (Word, Excel, Power Point, Access), Adobe Photoshop, AutoCad, PS-CAD,

Software Languages- Python, Core Java- Spring MVC, HTML,CSS.

Operating Systems- Windows 2000/ME/XP/8/10, Mac OS X.

ACADEMIC PROJECT

Identify vulnerabilities in a website to check web application security of a reputed business organization that leads turnkey contract projects in Power Transmission. Report the vulnerability findings and remediation techniques for the same to increase overall security.

ACADEMIC RESEARCH PAPERS

- Smart Grid Cybersecurity Implications.
- Data Breach Protection Laws And The Role Of Encryption.
- Cryptography.
- Apple Watch- Investigation Opportunities.
- Types of Authentication
- HIPAA

LaunchCode LC101 Program completed in July 2018.

PROFESSIONAL EXPERIENCE

Design Engineer for Substation Engineering Department at Jyoti Structures Ltd. Mumbai, India (From June 2008-July 2011.)

Responsibilities:

- Pre-Tender design & Engineering for substations (up to 220 KV) :
 1. **Cost Estimation** i.e. Preparation of detailed Bill of Quantities (BOQ) for entire scope of work based on specifications & drawings provided by owner with bid documents.
 2. Make **power point presentation** for clients to demonstrate entire scope of work, business process and timeline in substation project.

- Post-award design & Engineering for substations:
 1. Deep **Analysis of Client's requirements** as per specifications, research on updated standards and cost effective options to design substation.
 2. **Preparation of various Electrical drawings** such as single line diagrams (SLD), Electrical layout plan & section, Structural layout plan & section, Earth mat Layout, Direct stroke lightning protection (DSLPL) layout.
 3. **Arrange meetings with clients** as well as **vendors to discuss** the products, product

specifications, their supply, commission and overall business process.

4. Perform **detailed calculations** such as Sag Tension calculations, Short circuit force calculations, Critical span calculations, and Bus bar design calculations, considering safety of equipment; document them in along with appropriate design drawings.

5. **Operate computer assisted designing software** such as Auto-Cad to perform engineering of substations.

6. **Take realistic decision** related to designing of substations that would be safe for public and environment and to discuss professional limitations accordingly if any with the clients.

7. **Prepare specifications** of electrical equipment that need to be purchased from different vendors.

8. **Co-ordinate with site/field engineers** to implement substation designs in accordance with area available, soil resistivity and other incompetent factors.

9. **Work with Civil Engineers** in preparation of civil drawings and structural drawings for various Gantry structures related to electrical work.

10. Develop **training plan** and ensure its implementation.

11. Produce standard safety tables and listings for **regulatory reporting of project lifecycle**.

12. **Work in a team** to maintain highest quality assurance of substation project compliance with operational and safety standards on scheduled time and within budget.

**Help Desk Assistant at Sir Visvesvaraya Institute of Technology (SVIT), Nashik
(From Sep 2006 - June 2008)**

- Support technical issues related to Computer hardware/ software at SVIT computer laboratory and manage administration account.
- Assist in setting up computer networks, and installation of new computer hardware/ software for college staff/ students
- Maintenance of security software and participate in security audits and documentation of the audit reports.
- Provisioning of user access to college network/ database and application servers
- Setting up of authorization Schema based on user roles and arrange awareness training programs.