

# **Rupali Gaidhani**

Creve Coeur Saint Louis.

Email- [mail2rupalig@gmail.com](mailto:mail2rupalig@gmail.com), Ph. - 3144387644, <https://github.com/mail2rupalig>

## **TECHNICAL QUALIFICATIONS:**

**Programming languages:** Java, HTML, CSS, Python.

**Operating system:** Windows, Linux

**Software/Tools:** Spring MVC, Hibernate, Flask, Jinja 2 template engine, Thymeleaf template engine, MYSQL, SQLAlchemy. Web application vulnerability assessment Tool-Burp Suite, WinHex, PassMark Software OS-Forensics, Pro-discover, Network vulnerability assessment tool-Wireshark, AutoCAD.

## **ACADEMIC PROJECTS:**

### **Blogz**

A school project completed in LC101, it allows users to signup, create, and read blog posts using Python, Flask, SQLAlchemy, Jinja, MySQL, and HTML.

<https://github.com/mail2rupalig/blogz>

### **Web Caesar**

Another school project completed in LC101 that takes input from user and encrypt the input using caesar cipher encryption technic.

<https://github.com/mail2rupalig/web-caesar>

### **Vulnerability Assessment**

As a part of graduation program in Cybersecurity completed a project that can 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.

### **Web development**

Working on a project as a part of LaunchCode LC101 course to design and implement dynamic Web content and Web-server application for Healthcare information management using Java Spring MVC and Spring Boot, hibernate and MYSQL, Thymeleaf, HTML, CSS, and jQuery.

## **PROFESSIONAL EXPERIENCE:**

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

## **EDUCATION:**

**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.

**LaunchCode LC101 Program completed in July 2018.**

20 week program that focuses on programming fundamentals, web basics, and more advanced concepts with Java.

## **ACADEMIC RESEARCH PAPERS:**

- Smart Grid Cybersecurity Implications.
- Data Breach Protection Laws and the Role of Encryption.
- Cryptography.
- Types of Authentication
- HIPAA