

# Gaurav Singh Bhadauria

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## Skills

**Languages:** Python, Bash, PowerShell, JavaScript, TypeScript, SQL

**Technologies & Tools:** Python, Flask, ReactJS, Firebase, MongoDB, EC2, Elasticsearch, Docker, Splunk, Grafana, Burp Suite, OWASP ZAP, Metasploit, Nmap, Wireshark, REST, ISO 27001, ISO 9001, Risk Management, IT Compliance

## Work Experience

**Bug Hunters, Faridabad**

Jul 2024 - Present

**Software & Security Engineer**

- Created a security tool to assess the grade of web applications by scanning security headers, working on integrating Elasticsearch to enhance data retrieval and analysis capabilities, targeting a 20% improvement in reconnaissance efficiency.
- Performed thorough penetration testing, revealing 17 system vulnerabilities that were patched, improving system security by 70%.
- Conducted ISO 27001 and 21 CFR Part 11, Risk assessments and IT reviews, identifying critical compliance gaps and recommending improvements.
- ReactJS, Flask, Python, JavaScript, Firebase, Elasticsearch, Render, OWASP Top 10, ISO 27001, IT Compliance, Kali Linux, Burp Suite, Metasploit, Nmap, Dirbuster, Wireshark

**Bug Hunters, Faridabad**

Feb 2024 - Jun 2024

**QA Trainee**

- Designed automated solutions using machine learning algorithms such as logistic regression and support vector machines; improving stability of scripts with a 30% decrease in failure.
- Performed detailed IT system reviews, recommending process improvements that resulted in a 5% cost savings for the department.
- Python, Selenium, scikit-learn, Pandas, Git, EC2, Docker, ISO 27001, ISO 9001, Risk Management, IT Compliance

**Extension Technologies, Faridabad**

Jun 2023 - Dec 2023

**SDE Intern**

- Built an accounting module using Python and JavaScript on the Frappe framework that utilized Hash Maps to manage financial transactions and reporting.
- Developed a real-time alerting system and dashboard to notify users of pending payments and backlogs in financial transactions resulting to a 20% reduction in payment delays.
- Python, JavaScript, Frappe, Postman, Frappe REST API, Linux, GitLab, Grafana, MariaDB

## Education

**ACEM Faridabad**

Aug 2020 - Jun 2024

B.Tech in CSE (Artificial Intelligence and Machine Learning)

**CGPA: 8.39/10**

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Artificial Intelligence Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing, NLP, Big Data

## Project Work

- **Defendly (2024):** Developed a security tool for website scanning based on available security headers and there properties. Created custom algorithm that utilized machine learning model to map domains with header properties for accurate scores. ReactJS, Flask, Python, Firebase, Elasticsearch, Axios
- **Self Healing in Test Automation (2024):** Implemented support vector machine (SVM) and logistic regression algorithms to create self-healing automation scripts. Utilized Python for model training and integration. Python, Machine Learning, Flask, ReactJS

## Awards and Certificates

- Secured 6th rank in university for B.Tech in CSE (Artificial Intelligence and Machine Learning).
- **IoT Lead(Google Developer Student Club):** Helping peers in IoT programming through hands-on projects.
- 400+ submissions & 180+ DSA problems solved on Leetcode.
- 12+ skill badges, securing 13th place on the GCP skill boost leader board.