Mr. Rohit Sharma

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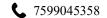
EDUCATION

Dayalbagh Educational Institute, Agra   **2021-2025**
Bachelor of Technology   - 7.70 / 10.0   *Agra, India*

M.P.S.M Grace Convent Sr. Sec. School   **2018 – 2020**
Intermediate   87 % (CBSE)   *Mathura, India*

WORK EXPERIENCE

SILOGIX NANOSYSTEMS PVT LTD   *April 2024 – August 2024*
Cybersecurity Intern
- Completed a comprehensive training program in Cybersecurity, acquiring hands-on experience with industry-standard tools for security testing and vulnerability assessment. Developed strong expertise in network security, threat detection, and system hardening, while gaining practical skills in identifying and mitigating cyber threats.

Hex Tech Solutions   *April 2024 – August 2024*
Penetration Tester
- Conducted in-depth security audits and penetration tests on web applications, identifying vulnerabilities such as SQL injection, XSS, and insecure configurations. Utilized tools like Burp Suite for vulnerability scanning, manual testing, and exploit validation. Worked on enhancing web application security by auditing security policies and providing actionable recommendations for risk mitigation.

EVOASTRA VENTURES PVT LTD   *July 2024 – August 2024*
Data Scientist Intern
- As a Data Scientist Intern, I led projects in Web Scraping and Data Analysis, where I extracted dynamic data, cleaned and structured it using Pandas, and visualized insights with Python and PowerBI. In the Credit Risk Analysis project, I handled data preparation, model building, and risk assessment, applying predictive analytics to evaluate credit risks effectively.

SLEEN BIZVENTURE PVT LTD   **May** *2023 – June 2023*
Material Testing Intern
Performed comprehensive physical and chemical testing on footwear and materials to evaluate durability, performance, and adherence to quality standards. This involved executing rigorous tests to ensure the integrity and compliance of products with industry requirements.

PERSONAL PROJECTS

Interactive Sorting Algorithm Visualization Project in Python
- Developed an interactive Python application to visually demonstrate and compare key sorting algorithms, including Bubble Sort, Insertion Sort, Selection Sort, Quick Sort, Merge Sort, Heap Sort, and Bucket Sort.
- Implemented features such as step-by-step execution, adjustable speed controls, and real-time performance comparison.
- Strengthened understanding of algorithmic principles, enhanced Python programming skills, and gained proficiency in graphical user interface design

Credit Risk Analysis and Loan Default Prediction
- Conducted EDA to analyze client and loan data, identifying missing values and addressing data quality issues.
- Managed imbalanced data by performing univariate and bivariate analysis, detecting outliers, and finding key correlations among variables.
- Utilized Python visualization and PowerBI to analyze data, identify top variables influencing loan default, and support informed decision-making for risk mitigation.

Automated Data Extraction and Analysis of Cars24.com Listings
- Developed a web scraping script to extract key car details (kilometers driven, year of manufacture, fuel type, transmission, and price) from Cars24.com for a specific brand.
- Cleaned and structured the data for analysis, and presented it in a CSV format for further insights and decision-making.

TECHNICAL SKILLS

Technologies Used: Python, MySQL, Cybersecurity, Data Structures and Algorithms.
Familiar with: Subdomain Discovery, OWASP Top 10 Vulnerabilities.
Tools: Burp Suite, Qualys, Nessus. Wireshark, Nmap, Metasploit, SQLi
Operating Systems: Linux/Unix, Windows
Coursework: Operating Systems, Database Management Systems, Data Structures and Algorithms, Computer Networks.

ACHIEVEMENTS

- **Qualified Gate CSE Exam (2024)**
- **Internal Winner** in Smart India Hackathon (2023)
- **Finalist** in Hackathon **HackBvest (2021**)
- Training and Placement Cell Coordinator
- Class Representative (2021 - 2024)