

# Mayank Raj

BCA graduate with strong knowledge of IT systems, cybersecurity, and data analysis, currently working as a Research Analyst. Experienced in data validation, process optimization, and analytical reporting to support business decision-making. Proficient in applying technical and problem-solving skills to ensure data accuracy, system efficiency, and information security in dynamic work environments.

## PROFESSIONAL EXPERIENCE

### Research Analyst

Arcgate (DoorDash Project)

February 2025 - Present

- Specialized in AI data labeling and annotation, ensuring high data accuracy and quality to support reliable machine learning model development.
- Utilized Salesforce CRM for structured data management, record maintenance, and project tracking to improve operational efficiency.
- Supported product campaigns and sales initiatives within Salesforce, contributing to strategic product promotion.
- Contributed to large-scale data preparation workflows, improving AI system performance and efficiency.

### Cybersecurity & Network Intern

Netparam Technologies Pvt. Ltd.

May 2024 - August 2024

- Delivered advanced cybersecurity and network troubleshooting, applying strong knowledge of networking, system administration, and hardware to secure and optimize IT environments.
- Performed incident response, digital forensics, and vulnerability assessments, including penetration testing and remediation of critical web and network security flaws.
- Ensured system and network security, stability, and performance through continuous monitoring, configuration management, patching, and security audits.

## PROJECTS

### MALWARE ANALYSIS AND ENCRYPTION TOOL

- Designed and developed a Python-based malware analysis tool with capabilities for malicious pattern detection, digital signature analysis, and secure file inspection.
- Implemented industry-standard cryptography, including encryption/decryption and hashing algorithms (MD5, SHA-256) to ensure data security and file integrity.
- Tested and validated the tool across multiple file types and scenarios, confirming accuracy, reliability, and operational effectiveness.

### SQL VULNERABILITY FINDER

- Developed a Python-based tool to detect SQL injection vulnerabilities in web applications.
- Implemented automated crawling of web pages to identify and assess potential security weaknesses.

## SKILLS

- Operating Systems
- Cyber Security
- Network Security
- Troubleshooting
- Python
- Databases
- Cloud
- System Management & Monitoring
- Data Collection and Validation
- Market & Business Research
- Communication and Presentation

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[Github](#)

## EDUCATION

### Bachelor of Computer Applications (BCA)

Mewar University

2022 - 2025

## CERTIFICATIONS

- Core Java Certification – MSME Indo-Danish Tool Room, Jamshedpur

June 2023 to July 2023

- Introduction to Cyber Security – Cisco Networking Academy

December 2023

- TATA Cybersecurity Analyst Job Simulation – Forage

January 2024

- Mastercard Cybersecurity Virtual Experience – Forage

January 2024

## LANGUAGE

- English
- Hindi

## SECURITY TOOLS

- Nmap
- Wireshark
- Burp Suite
- Metasploit
- Kali Linux