

SAURABH SHARMA

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SUMMARY

Recent **M. Eng. Software Engineering** graduate from **Concordia University, Montreal**. Have over **three years of experience** in Information Technology as a **Security Researcher** at **Quick Heal Technologies** and **8 months of Canadian experience** as a **Data Migration Specialist** at **Randstad Canada**.

Core Skills: Collaboration, Organization, Teamwork, Consistency, Analytical, Conflict Resolution, Empathy

PROFESSIONAL EXPERIENCE

Randstad Canada (contracted to Groupe Lemur Inc (Le))

Data Migration Specialist

Montreal, Canada

Apr 2023 – Nov 2023

- Extracted data from a legacy ERP system and imported **35K customer/item records** into **Oracle NetSuite**.
- Implemented robust data cleansing, deduplication, missing data handling, error correction, and formatting to ensure a consistent data structure.
- Designed **dashboards** and reports using **Power BI** to visualize trends and support business decision-making.
- Created NetSuite templates for importing data into NetSuite.
- **Tech Stack:** Excel, Power BI, Oracle NetSuite, ETL, GitHub, Microsoft Access.

Quick Heal Technologies

Security Researcher

Pune, India

Apr 2020 – Aug 2022

- As a Security Researcher and developer in the Host Intrusion and Prevention Systems (HIPS) team, I worked on the following tasks:

- Created **Power BI / Kibana dashboards** to visualize top detection performances across various metrics and **generated reports** for higher management.
- Developed **Python scripts** to regularly integrate emerging threats public rules with the Quick Heal detection signatures database.
- Monitored detection telemetry data regularly and initiated proactive actions to fix false positives, **covering 100% customer cases**.
- Built **Python and BAT scripts** to automate tasks within the team, improving overall workflow efficiency.
- Executed **API testing** using **Postman and SOAP UI**, verifying the reliability and accuracy of signature tracking server responses.
- Analysed and reverse-engineered OLE files to identify hidden malicious code and phishing URLs, **added over 2200 detections**.
- Collaborated with cross-functional teams on 5+ projects, improving team efficiency and project outcomes by 20%.
- Conducted **knowledge transfer sessions** for new QH members, ensuring a solid understanding of detection techniques and automation scripts.
- **Tech Stack:** Power BI, Python, SQL, Power Query, DAX, ETL, Postman, Wireshark, Fiddler, ELK Stack, Splunk, Presto, AWS Athena & S3, Pandas, Suricata, Snort, GitHub, CI/CD, Data Analysis, SAP, MS Suite, Jira, Confluence.

Quick Heal Technologies

Research and Development (Intern)

Pune, India

Apr 2019 – Mar 2020

- Acquired foundational knowledge in AWS (S3, EC2, and Athena) for scalable software solutions and system integration.
- Gained proficiency in various network protocols like **HTTP, TCP, UDP**, and OLE file structures (**DOCX, PDF, RTE, XLS**).
- Researched technical papers to understand the latest techniques for enhancing the quality of the detection signatures.

TECHNICAL SKILLS

Data Analysis and Statistics: Power BI, Tableau, Apache Spark, Pandas, Power Query, DAX

Programming: Java, Python, SQL, JavaScript, PL/SQL

Database: Microsoft SQL Server, SQLite, MySQL, PostgreSQL, MongoDB

Cloud Technologies: Microsoft Azure, AWS, Snowflake

Software Engineering Practices: SDLC, Agile Methodologies, Test-Driven Development (TDD), CI/CD

Version Control & Project Management: Git, SVN, JIRA, Confluence

Competencies: Data Analysis, ETL, Data Migration, REST APIs, Presto, ELK stack, MS Suite, Linux, macOS, Windows

EDUCATION

CONCORDIA UNIVERSITY

Master of Engineering (Software Engineering)

Montreal, Canada

Sep 2022 – Jun 2024

CHITKARA UNIVERSITY

Bachelor of Engineering (Computer Science)

Chandigarh, India

Aug 2016 – Jun 2020

ACADEMIC PROJECTS

[Roboprof Chatbot | Python, RDF, Apache Fuseki, SPARQL, Knowledge base, Rasa](#)

Jan 2024 – Apr 2024

- An Intelligent agent for university and student inquiries using **Knowledge Graphs** and **NLP**.
- Created a Knowledge Base using **RDFLib** in turtle Format and populated it with an open dataset.
- Integrated Rasa with Hugging Face into Roboprof, enhancing the system's conversational abilities.

[Jobseekr- A job application portal | ReactJS, NodeJS, Firebase, GitHub](#)

Jun 2023 – Jul 2023

- Developed "Jobseekr", an online job application portal for candidates and recruiters by using **ReactJS, NodeJS, Firebase**, and **GitHub**.

Cohort Watch, Quick Heal Technologies

Feb 2022 – Mar 2022

- Worked on a project employing the **ELK stack** and **Suricata IDS** to identify anomalies in system network traffic.
- Crafted a **Kibana dashboard** for visualizing system anomaly data, facilitating thorough analysis.

Checkout my GitHub for more projects: [www.github.com/saurabhs679](https://github.com/saurabhs679)

Communication Skills: English (Fluent), Hindi (Native), Punjabi (Intermediate)

LinkedIn- <https://www.linkedin.com/in/saurabh-sharma1/>