SARTHAK SHARMA

sarthaksharmav@gmail.com | +1 (506) 926-0042 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Master of Computer Science | University of New Brunswick, Fredericton, NB, Canada | Sept 2022 – May 2024

Bachelor of Technology, Computer Science and Engineering | DIT University, Dehradun, UK, India | Jul 2016 – Jul 2020

TECHNICAL SKILLS

Programming Languages/Frameworks: Python, JavaScript, TypeScript, Ruby, Java
Frameworks/Libraries: Django, Node.js (Express), React (Vite + Tailwind), Django, Ruby on Rails, jQuery
Database/Deployment: PostgreSQL, MySQL, SQLite, SSMS | Render, Vercel, GitHub
Tools & Others: Git, Jira, Grafana, Agile methodology, Secure Coding

WORK EXPERIENCE

Junior Software Developer, Jul 2024 – Jan 2025
[Beauceron Security](#) - Fredericton, NB, Canada
- Contributed to developing and maintaining features for Beauceron's cybersecurity platform using **Perl**, **Python**, JavaScript, enhancing security awareness, while successfully simulating over **1 million** users.
- Developed and optimized **SQL** queries for data processing, reporting, and cybersecurity data management.
- Collaborated in an **Agile** environment, actively participating in daily stand-ups, sprint planning, retrospectives and sprint demos.

Associate Software Engineer Co-op, May 2023 – Dec 2023
[IntroHive Inc](#), Fredericton, NB, Canada
- Engaged in **backend development** in an **Agile** setting for an **AI-powered SaaS platform** using **Ruby on Rails**, **JavaScript** and HAML, resulting in improved application performance and user experience.
- Created and optimized S**QL** queries for monitoring dashboards in **Grafana** and **Prometheus**, reducing system downtime by **25%**.
- Created automated test cases in **Jira Zephyr**, leading to efficient bug identification.

Software Developer, Oct 2020 – Jul 2022
[Blue Water Trade Winds Pvt. Ltd](#), Dehradun, UK, India
- Co-developed a hybrid application for weather routing and dynamic speed scheduling using **Python** and **Django**, contributing to **$224M** in cost savings for shipping companies and oil majors.
- Participated in meetings with multiple IT stakeholders to analyze the client requirements and execute them effectively.

PROJECTS

[Security Pulse](#) - **Full-Stack Cybersecurity Awareness Platform**
- Built and deployed a production-grade platform using **Node.js (Express + TypeScript)**, **PostgreSQL**, and **React** (Vite + TailwindCSS), with **JWT** authentication, protected routes, and user-saved articles.
- Integrated **SecureWeek API** with a scheduled daily cron job for automated news ingestion and deduplication, and added **Jest + Supertest** coverage.

[Hand Gesture Controlled eBook Reader](#)
- Designed and developed an interactive eBook reader using **Python** and **OpenCV**, incorporating hand gesture recognition for actions like page navigation and scrolling, enhancing user interaction.

VOLUNTEER EXPERIENCE

Founding Member, Path of Humanity Society**,** Dehradun, India | Aug 2019 – Sep 2022
- Organization benefitting children and their families through welfare projects on education, healthcare, livelihood, and women empowerment.

AWARDS

- **Mr. Personality Award**, DIT University,2019
- **Mr. Positive Attitude Award**, DIT University,2019