

Neelmani Bhardwaj

Ottawa, Canada

Neelmanibhardwaj001@gmail.com | www.linkedin.com/in/neelmani-bhardwaj-b690a52b8 | <https://github.com/bhar007-neel>

Computer science student with practical experience in software and web development, technical troubleshooting, and system management, building on a foundation in electromechanical engineering and robotics. Skilled in programming, IT support, and network security, with a focus on applying technical expertise to streamline processes, enhance system reliability, and contribute to innovative technology projects.

Skills

Programming Languages: Java, Python, JavaScript, C++, C

System Administration & IT Support: Linux, Network Troubleshooting, System Administration, Cybersecurity Fundamentals

Cyber Security & Network Security: Basic understanding of security protocols, encryption, and network protection

Web Development & Frameworks: Node.js, Express.js, React, HTML, CSS, Tailwind CSS

Database Management: SQL, MongoDB, SQLite, Firebase

Data Visualization & Analytics: Tableau, Power BI, Jupyter Notebooks, Pandas

Automation: Experience with test automation scripting and continuous integration

Agile & CI/CD Methodologies: Familiar with Agile development practices, including Scrum, and CI/CD tools

Microsoft Tools: Excel, Word, PowerPoint, Teams

Soft Skills: Analytical thinking, effective communication, adaptability, teamwork, and strategic planning

PROFESSIONAL EXPERIENCE

Sanmina Corporation

Ottawa, Canada

Electromechanical Technician

Oct 2022 – Aug 2023

- Escalated system efficiency by 30% by diagnosing and resolving technical issues using **statistical analysis**, reducing task completion time for the engineering team
- Improved inventory tracking accuracy by 25% through **SQL-driven** reporting tools, which provided real-time data for installation and **inventory management**, minimizing stock errors and reducing overstock incidents by 15%
- Abated material costs by 20% by **optimizing resource** allocation via SQL-based real-time **data analysis**, enabling precise forecasting and supporting a just-in-time inventory model that minimized surplus and shortage cycles

Alstom

Ottawa, Canada

Electromechanical Technician

Aug 2021-Sep 2022

- Reduced equipment downtime by **25%** by designing and executing standardized **troubleshooting** protocols with diagnostic tools, ensuring smooth manufacturing operations and consistent output
- Increased equipment lifespan by **5 years** by spearheading a collaborative preventive maintenance schedule, reducing disruptions and costs related to repairs
- Built **team autonomy** by conducting targeted equipment training, reducing dependence on external support

Loblaw

Ottawa, Canada

Front end Supervisor

Jan 2020-present

- Conducted regular inspections of store facilities and equipment, identifying and addressing **safety hazards** proactively, resulting in a **20%** decrease in workplace accidents

Projects

- Spotify Clone: Developed a responsive Spotify clone achieving **30% faster** load times through optimized **JavaScript** and **CSS Grid**, handling 20+ concurrent user audio sessions [View Project](#)
 - Car Rental System: Streamlined rental operations by **35%** through Java-based car management system implementing OOP design patterns, handling daily bookings with automated validation [View Project](#)
 - Alien Invasion Game: Created Python-based arcade game maintaining **60 FPS performance** through optimized **Pygame** mechanics and **OOP design patterns** [View Project](#)
- For additional projects: Visit [GitHub](#) | Web Portfolio [Link](#) | Data Analysis Portfolio [Link](#)

EDUCATION

University of Ottawa

Ottawa, Canada

BSc in Computer Science (Major)

Expected graduation, Apr -2027

Algonquin College

Ottawa, Canada

Electromechanical Technician-Robotics

Aug 2021