Neelmani Bhardwaj

Ottawa, Canada

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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

- Increased 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%.
- Reduced 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 20% 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: Created a responsive music platform using HTML, CSS, and JavaScript, allowing users to manage playlists and switch songs. **View Project**
- Car Rental System: Created a car rental system in Java with features for user management, bookings, and payment processing. **View Project**
- Alien Invasion Game: Designed an alien invasion game in Python, featuring interactive game play and graphical elements. **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