

Paras Rana

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EDUCATION

University of Victoria

Victoria, BC

B.S. in Computer Science and Health Information Science

Sept 2023 – Present

- **Coursework:** Fundamentals of Programming II, Algorithms & Data Structures II, Computer Architecture, Statistics, Logic and Foundations, Software Development Methods, Database Management, Organizational Behavior

Langara College

Vancouver, BC

A.S. in Bioinformatics

Sept 2019 – May 2021

- **Coursework:** Biomedical Fundamentals, Intro to Computer Science, Web Development, Calculus II, Linear Algebra, Business Computer Applications, Financial Accounting II, Microeconomics, Macroeconomics

EXPERIENCE

Provincial Health Services Authority (PHSA)

Remote

Application Support Analyst (Casual)

Jan 2023 – Aug 2024

- Developed and executed over 150 test cases aligned with project requirements, achieving 98% test coverage, ensuring comprehensive software validation.
- Managed and led key testing phases, including User Acceptance Testing (UAT) and regression testing, to consistently ensure high software quality.
- Documented detailed test results, tracked and resolved over 200 defects, and effectively communicated issues, contributing to a 20% improvement in system reliability.

Microserve

Burnaby, BC

Configuration Technician (Full Time)

May 2022 – Dec 2022

- Prepared and imaged over 500 workstations for new deployments, streamlining setup processes and improving operational efficiency.
- Installed, maintained, and upgraded software applications for over 300 users, ensuring efficient deployment and minimal disruption.
- Configured and troubleshooted software systems for over 1,000 users at ICBC, reducing downtime by 40% through proactive issue resolution and support.

Asset Recovery Technician (Full Time)

Jan 2022 – Apr 2022

- Ensured data protection by securely wiping, destroying, and processing over 1,000 hard drives, maintaining 100% data integrity and compliance.
- Configured and managed BIOS and system settings for 500+ devices, enhancing hardware-software interaction and optimizing performance by 25%.

BC Center for Disease Control (BCCDC)

Vancouver, BC

Data Remediation Analyst (Internship)

May 2021 – Dec 2021

- Programmatically validated client identities across British Columbia and generated PHNs using HCIM tools, enhancing data integrity for critical health records.
- Conducted audits of immunization data for over 100,000 records, ensuring data integrity and compliance, and resolved over 200 data discrepancies, improving system reliability by 25%.
- Developed and implemented procedures that increased data collection efficiency by 30%, automated analysis, and improved report generation processes using Panorama Error Management.

PROJECTS

Healthcare Management Systems Development

- Built Python based [medical system](#) and SQL based [pharmacy system](#) for patient data, appointments, and reporting.

Game Development

- Developed [Pac-Man](#) and [Flappy Bird](#) games in Java with OOP, collision detection, and custom animations.

SKILLS

Certifications: [Google IT Support Specialization](#)

Programming: Java, Python, HTML/CSS, JavaScript, SQL, C++, Git

Tools: PyCharm, Eclipse, Jupyter Notebooks, Git, Google Cloud Platform, Visual Studio, Wing101

Software: Jira, Visual Paradigm, Oracle APEX, SharePoint, Microsoft Office Suit