

# 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 Suite