

Nehemjit Rai

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EDUCATION

GRANT MACEWAN UNIVERSITY

BSC. IN COMPUTER SCIENCE

Expected May 2023 | Edmonton, AB

Computer Networking
Computer Security

PIXEL BLUE COLLEGE

DIGITAL AUDIO PRODUCTION

Grad. April 2015 | Edmonton, AB

LINKS

Github:// **Nemi-Rai**

LinkedIn:// **nemi-rai**

COURSEWORK

UNDERGRADUATE

Computer Networking
Operating Systems
System Security
Computer Forensics
Compilers
Unix Tools and Scripting

SKILLS

PROGRAMMING

Over 10000 lines:

C • Shell • Python • C# • \LaTeX

Over 1000 lines:

C++ • Perl • CSS • HTML • Java
Javascript • MySQL

Familiar:

PowerShell • Assembly • Octave
Typescript • Puppeteer

OTHER

Raspberry Pi
Arduino
3D Printing
Fusion 360
Soldering

EXPERIENCE

ST. PAUL & DISTRICT ARTS FOUNDATION

| UNIVERSITY EXTRA CREDIT ASSIGNMENT

April 2022 | Edmonton, AB

- Secure company website by redirecting to HTTPS.
- Add security headers to client website.

UNIQUE GET TOGETHER SOCIETY

| UNIVERSITY WORK EXPERIENCE

January 2022 – April 2022 | Vancouver, British Columbia

- Created a proof of concept for the client's network framework.
- Installed and secured Nextcloud on Minimal Ubuntu Server in a cloud environment.
- Remote work.

ARTIS | UNIVERSITY WORK EXPERIENCE

September 2021 – December 2021 | Edmonton, AB

- Used Microsoft 365 to create a proof of concept for the client's employees to be able to access sensitive data remotely.
- Active Directory, BitLocker, and Veeam backup.

RESEARCH

GRANT MACEWAN UNIVERSITY | RESEARCH ASSISTANT

June 2021 – September 2021 | Edmonton, AB

Worked on three projects throughout the Summer of 2021.

- Building, Testing, & Debugging Metasploitable3 vulnerable virtual machine from Github repository using Vagrant.
- Built a I2C expandable Raspberry Pi and Arduino based track robot with a HC-SR04 ultrasonic sensor.
- Worked on eSubmit, a web application that automates marking student work. Used puppeteer to automate creating student and faculty manuals with screenshots from the web application.

CAPTURE THE FLAG COMPETITIONS

Year	Place	
2022	20//3658	National Cyber League Team
2022	255//6020	National Cyber League Individual
2021	2//12	CyberSci Team
2021	68//3910	National Cyber League Team
2021	462//6480	National Cyber League Individual