

Simranjit Kaur

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Technical Skills

- **Programming Languages:** Java, PHP, Kotlin, PHP-cURL, HTML, CSS, JavaScript, Python, C#, Bootstrap, jQuery, Ajax, Prolog
- **Frameworks and libraries:** DeepLearning4J framework, Volley
- **API:** Microsoft Cognitive Services – face API, Android Biometrics API
- **Machine Learning** Python
- **Databases:** MySQL, SQL, Oracle, Graph databases, Object Oriented, ER and EER models
- **Version control:** Git, GitHub, GitLab
- **Data structures:** Arrays, Stacks, Queue, Priority Queue, Linked Lists, Trees, Graphs, Heaps
- **Searching algorithms:** Linear search, Binary search
- **Sorting algorithms:** Quick sort, Merge sort, Bucket sort, Heap sort
- **Network Security Algorithms:** DES, AES, RSA, RC4, Hash algorithms etc.
- **Applications/Tools:** NetBeans, Axure rp, Android Studio, Visual Studio, Jupyter Notebook & Lab, Power Designer, Oxygen XML, JIRA, FileZilla, Slack, Mattermost
- **Others:** Project planning, documentation, pair programming, SDLC, Agile Model, Networking operations

Transferable Skills

- Excellent **customer service** skills gained through my experience at Super 8, Seven Eleven.
- Ability to **work independently** and in a **team** with perfection gained through academics
- **Self-motivated** and able to **multi-task under pressure** as well as increase pace as the workload demands which is developed by personal experience
- Exceptional **problem solving, detail oriented** and ability to **work efficiently with or without supervision**. Developed by **solving real world problems** on different projects, as a teaching assistant and by working on a sign in system for SilverServers data center.
- **Being responsible** and demonstrating **positives attitudes and behaviors** enhanced by working at SilverServers as an Android and Web developer.
- Exhibited natural and collaborative **leadership, good interpersonal, time management, cross-cultural communication** and **organizational skills** gained by working on projects with different teammates efficiently, on time & by organizing numerous events in India and Canada by working in sign in system project for SilverServers with very little supervision.
- **Learning Management Systems (LMS)** gained via teaching assistant and student experience

Project Experience

- **Research Project (Gait Recognition)** **Fall 2019**
Using **ND4J library** which is a part of **Deeplearning4j** for authenticating the users of smartphone.
 - Did this project in a team of two students
 - Used LSTM and CNN models to solve the problem
 - Calculated the FAR, FRR, EER to compare which model is working better for the chosen Kaggle dataset
 - Wrote a research paper using IEEE format and got A+
- **TRU Companion Website** **Winter 2019**
Designed by using HTML, CSS, Bootstrap, JSON files
 - Designed the website in a team of two students
 - Created the conceptual model of the website, decided the usability and UX goals along with the target users
 - Created Persona and Storyboard of our typical user using the product
 - Gathered data by using questionnaires and interviews and analyses it and created a low-fidelity prototype using Axure
 - Used evaluation methods and did analysis of the collected data
 - Collected feedback about the low fidelity prototype and created the High-Fidelity Prototype by improving the features

- Ended up with 93% marks and good comments during presentation
- **Online Course Website** **Winter 2019**
It was an individual project built using HTML5, CSS3, JavaScript, jQuery, Ajax, Bootstrap, MySQL, encryption to store passwords and MVC Architecture
 - Created a website that allows instructors to post all the contents like assignments, announcements, exams in the form of text, files by uploading or dragging and students to see the contents uploaded by the instructors, and to upload their completed assignments
 - The website was a Single Page Application that allowed users to browse between different options without refreshing the page
 - Got 100% in the project
- **Research Website** **Fall 2018**
Designed by using Star UML
 - Designed the whole website in a team of three students for a TRU professor
 - Did domain analysis, collected functional and non- functional requirements, released plan, created training manual, SRS document, 4+1 model, used iterative process and drawn various diagrams – Use case, Activity, Class, Sequence, Collaboration, Component, State chart, and Deployment diagram
 - Ended up with A+ and very good comments during presentation

Education

- **Bachelor of Computing Science (4th year)** **January 2018 – Present**
 - Thompson Rivers University, Kamloops, BC
- **Bachelor of Computer Science & Engineering (2 years)** **July 2015 – December 2017**
 - IET Bhaddal, Punjab, India

Employment History

E-Learning Support Technician **September 2020 – Present**

Thompson Rivers University (805 TRU Way), Kamloops, BC

- After joining the Open Learning Production team, I am responsible for formatting the materials of the courses, converting them into XML and HTML and then post the course on Moodle. Use various tools like JIRA, D4P, Mattermost etc. throughout the process. Sending the course for the internal review is also under my tasks

Student Android and Web Developer **June 2020 – September 2020**

SilverServers Inc (765 Lorne St. Downtown), Kamloops, BC

- Was responsible for creating mobile application of their currently existing sign – in system which also includes controlling the doors of the building via app for their datacenter. Ended up migrating to new API, Database, and new language (Kotlin) because of known issues. Used Php, Java, Kotlin, Php – cURL languages, Azure Face API, Material Design framework etc. to get all the final product

Sr. Sales Associate **August 2018 – Present**

7 Eleven (Seymour St., Downtown), Kamloops, BC

- customer service, manage cash, check- in order and stocking, multi-tasking are my major roles. Became Senior sales associate within 3 months, got a gift from field consultant for providing excellent customer service

Teaching Assistant **July 2018 – December 2019**

Thompson Rivers University, Kamloops, BC

- Help students in labs who are in Java, Python, C# programming and web development & Design courses. Supervise during Quizzes, Midterms, and final Exams, manage the records of their marks on Moodle, help the instructor in marking quizzes

Volunteering, Extra-Curricular Activities, Awards and Achievements

- Volunteer at organizing Technical festival (2015 & 2016)
- Won 2nd prize in science model making competition out of 30 teams (2013)

Interests and Hobbies

Desire to experience **new cultures and environments**, try to **do something new every day** like **learning, exploring and making new algorithms**, **passion to collect rare antiques**, **designing home** on special occasions, **playing mind games**