

# SANAD J THAPA

Portland, Oregon, 97230

## CONTACT

✉ sanadtm@gmail.com  
☎ 503-442-8830  
[LinkedIn](#)  
[Portfolio](#)  
[GitHub](#)

## EDUCATION

### Bachelor of Science in Computer Science

Portland State University

Sept 2018 – June 2023

GPA: 3.28

Associate of Science - 2018

Portland Community College  
2015 – 2018

## Technical/

### Programming Skills

JavaScript, C++, C, Jira, jQuery  
Git Version Control, Next JS,  
Node JS, React JS, Bootstrap,  
Sails JS, MongoDB, MySQL, CICD,  
DevOps, Mocha, Stored  
Procedure, Chai.js, AEM, Java, RUST,  
Python, Cloud Foundry, HTML, CSS,  
Nock, Async Calls, RESTful API,  
GitHub Actions, Microservice,  
Power BI, Ajax,  
Adobe Experience Manager (AEM)

## Relevant Courses

Object-Oriented Programming  
Operating System  
Data Structures  
Software Development Cycle  
SQL and Non-SQL Databases  
Discrete Structures  
Programming Systems  
Web Development  
Front End Development

## Interpersonal Skills

Collaboration  
Team Player  
Conflict handle, Research  
Problem-Solving  
Bilingual Communication

## CAREER OBJECTIVE

Passionate Computer Science Senior, Interning at Intel, looking for an Entry Level role, graduating in **June 2023** where I can grow and learn from other experienced team members as well as learn, upskill, and acquire skills that can shape me as a professional.

## WORK EXPERIENCE

### I. Software Engineer, APCON (2023 Feb to Current)

Responsible for building a **customer Service website** using **Next.js, MongoDB and Tailwind CSS** in order to make it user friendly and to replace using third party customer website.

### II. Software Application Development Engineer, Intel Corporation (2022 Jan – Jan 2022)

- As a part of the Customer Experience Team, collectively worked on improving **Intel.com Web development** Space by **automating** development practice and **reverse engineering** functionality into **microservice** to offload resources from intel's enterprise servers.
- Built a **Microservice to offload functionality and SQL Stored Procedure Database** resources from intel's enterprise server into a **Node JS Microservice** which helped reduce the load and publish webpages faster.
- Participated in **DevOps** supporting in **automating** the development by creating the **GitHub/Jira - Node JS Integration** app to send **notifications** to developers of any file changes or user story comments and storing the changes in Mongo DB.
- Developed **Microservice backend** by connecting to **Multiple APIs and databases** and added **Cache Layer** with Timer to Increase the efficiency and speed of the Application.
- Participated in **Agile Software** Development environment and practiced daily **SCRUM** meetings to **plan, estimate and retrospect** sessions and tracked assignments using **Jira** and **participated in code deployment** using **GitHub Actions and Cloud Foundry** to production.
- Participated in **mentoring two new interns** to ramp them up to speed on **intel.com** infrastructure, architecture, and internal Tools, and **Code Reviews of new interns** to ensure a healthy codebase, knowledge sharing, and Collaboration along with **training** them with the **internal code framework and unit testing** with **high code coverage and best dev Practice**.
- Created Java servlet using **Object-Oriented** method and added unit testing for it to fetch data through this endpoint for **Adobe Experience Manager** Content Management System.

### III. Linehaul Coordinator, FedEx (2019 Dec to 2021 Dec)

Responsible for setting up and supervising all aspects of the FedEx Logistics linehaul operation and monitoring facility reporting metrics related to service, safety, cost, and quality.

## Relevant EXPERIENCE / Projects

### I. Computer Vision, Machine Learning (Software Dev Capstone Project)

(June 2021 - December 2021)

- Trained an Image Classifier for an Oregon Based Video Processing company Sightline applications to identify cars and Humans and **document confusion matrix** and test results.
- Put together a dataset of images, cleaned it, and modify the raw data using **Python Script** to fit the dataset used for the training model by retuning, and retesting the Image classifier.
- Participated in brainstorming in weekly **SCRUM** team meetings with a team of 6 members to discuss our approach to problem-solving and reaching our goal accuracy.

### II. Full-Stack Development (Software Dev Class Projects 2021 - 2022)

- Chat App (MERN Stack)** - Built frontend and backend for an instant messenger chat app using MongoDB, Express, React, and Node JS that allowed users to create accounts and verify them using authentication and allowed attendees to chat with each other. This app is limited in functionality which utilizes socket.IO.
- Guess the word Game (socket.IO)** - Built a Nodejs, Socket IO-based game where more than one player can get into a chat room to play the Guess the word to earn points to win. This app is limited in functionality but utilizes Socket IO's.
- Currency exchange App (Chart.JS)** - Built a currency exchange app that fetches data from currency API and utilizes chart.js and bootstrap framework to visualize each of them animated and customizable bar, line, or pie chart.
- Google Maps Platform 101 (Google Map API)** - Added a Google Map to my website by using Map JavaScript API from google and bootstrap which enabled me to use the feature of google maps to track my favorite places located near me.