

MILAN GURUNG



COMPUTER SCIENCE MAJOR



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PROFILE

- Detail-oriented computer science graduate passionate in back-end cloud infrastructure and cloud computing. Possesses a solid understanding in web programming, and explored interest in machine learning through coursework.
- Seeking an opportunity to apply my knowledge, effective written and verbal communication skills and collaborative ability. Also, eager to learn new skills in a challenging entry-level software engineering role and grow with the company.

PROJECTS

HealthRing App – Capstone Project, *Android Mobile*

- Worked in a team and designed a new android app for HealthRing. A health and fitness monitoring wristband, targeted towards the elderly and incorporating accessibility.
- Applied MVVM design pattern, data binding, and SQLite for internal storage.
- Identified backend architecture and integrated AWS services such as API Gateway, AWS Lambda and DynamoDB, and connecting these services into the android app.

Kitchen Inventory Manager, *React Web Application*

- Built a basic web application using React to help keep track on the food inventory, location of the food in the kitchen, and adding low stocked items to the grocery list.
- Learned how to use react router DOM for navigation between pages.
- Persisted data on the web browser's local storage using state management techniques.

Dota 2 - Game Tracker, *Flask Web App* <https://dota2-tracker.onrender.com>

- Web application to track Dota 2 (game) professional matches for results and stats etc.
- Used Flask web framework in Python & HTML to build the web app.
- Used free OpenDota API to request game data in JSON and extracted target data.

AWS Translate, *Console C# Application*

- Translate any user input, English text, into targeted languages with AWS Translate API.
- Applied asynchronous programming technique by using request and response objects.

WORK EXPERIENCES

Driver /Uber Technologies Inc.

2019 – Present

- Working part-time driving passengers for Uber while being a full-time student.

EDUCATION

Bachelor of Science in Computer Science

Bellevue College, Bellevue, WA

GPA: 3.87

September 2019 – December 2022

COURSEWORK

Software Engineering, Web Programming, Algorithms, Computer Architecture, Cloud Computing, Data Structures, Database Systems, Machine Learning, Operating Systems, Probability and Statistics, Programming Languages, Senior Capstone.

TECHNICAL SKILLS

Proficient: Java, Python

Familiar: SQL, HTML, CSS, JavaScript, Kotlin, C++, C#, C

Exposure: RStudio, Jupyter Notebook

TECHNOLOGIES

- Eclipse, PyCharm, Android Studio
- Visual Studio, VS Code
- NodeJS, React, Flask
- MySQL, MongoDB, DynamoDB
- AWS cloud services
- Git, GitHub

PORTFOLIO

<https://milangrg.github.io/portfolio/>