Ismam **Imon**

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EDUCATION

The University of British Columbia
Bachelors of Science – Cognitive and Computational Systems
Relevant Coursework: *Machine Learning and Data Mining, Software Construction, Algorithm Design and Analysis, Calculus I-III, Relational Databases, Computer Vision*

SKILLS

Languages: Python, SQL, JavaScript, R, C++
Frameworks/Libraries: Flask, Numpy, Scikit-learn, Pandas, Matplotlib, React.js, Node.js, OpenCV, Keras, TensorFlow
Tools/Services: Docker, Kubernetes, Nginx, PostgreSQL, MongoDB, AWS, Tableau

EXPERIENCE

UBC School of Population | *Full-Stack Software Developer* | Vancouver, BC

Jan. 2022 – Current

React Hooks, Flask, PostgreSQL, Docker, Kubernetes, DigitalOcean, Figma
- Developed a dynamic survey web app to collect parents' perceptions of children's playability in the neighbourhood.
- Rendered **10,000+** Google Street Images and allowed users to select the best playable neighbourhood from each pair, **stored users' selection** along with their demographics.

HealthQB Technologies Inc. | *Data Analyst Intern (Capstone Project)* | Vancouver, BC

Jan. – April 2022

Python, Numpy, Scikit-learn, Tableau
- Analyzed the feasibility of Wearable Devices for Chronic Pain Patients
- Performed **literature review** to collect sampling parameters for 7 wearable gadgets, utilized **API requests** to cumulate **3 years** of daily **HRV & HR data** from Oura, AppleWatch, and Biostrap.
- Performed **EDA** and **statistical analysis** to compare the datapoints, recording durations, and the variability of each device.

UBC Neuroscience Club (BuildingBlocks) | *Software Developer Intern* | Vancouver, BC

May – Aug. 2021

React.js, Node.js, CSS, MongoDB
- Established user authentication/authorization using **JWT tokens** and **CORS**, and implemented client components with **semantic-UI** and **CSS**.
- Developed a **stable-matching algorithm** from scratch which allows potential mentors to match with mentees based on preferences.

Zindi | *Data Science Intern* | South Africa

Feb. – April 2021

Python, R, Pandas, Numpy, Seaborn, Matplotlib
- Translated 20+ Python starter codes to R for enhanced user competition experience. Exposed to **LinearRegression** and **RandomForestClassifier** to predict results with high accuracy.
- Created a **pipeline** and implemented a **probabilistic model** to catch suspicious participants in DS competitions

IK Jewellers Ltd. | *Sales Report Analyst* | Dhaka, Bangladesh

Nov. 2020– Current

Python, Microsoft Excel, Numpy, Tableau
- Investigate and apply **EDA** to **sales datasheet** that contains information on customers, jewellers, and products
- **Assisted** the company in **reducing stock surplus** by evaluating and predicting the **top-selling products for each jeweller**
- **Increased** sales by strategically executing marketing campaigns based on **customer niche** and **demographics**

PROJECTS

Trading Bot | *Python, Scikit-learn LSTM model, Binance API, Websockets*
- **EDA** on Time Series Data; **Normalized** features with **MinMaxScaler** and **LogReturn** for optimum results; Analyzed technical indicators using **TA-Lib**; and **live-streamed** crypto charts using **WebSockets.**

INTERESTS:

Hiking, Volleyball, Day Trading, Psychedelic Research