KIRAT GILL

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EDUCATION AND AWARDS

BACHELOR OF COMPUTER SCIENCE HONOURS (CO-OP)　　　　　**SEPT 2019 - PRESENT**

UNIVERSITY OF MANITOBA

- Three-time recipient of The University of Manitoba Undergraduate Student Scholarship Award for competitive academic standing: Summer 2020, Fall 2020, Fall 2021
- University of Manitoba Student Union (UMSU) Bursary holder for satisfactory academic standing in academic year 2021 - 2022

PERSONAL PROJECTS

NLP STOCK MARKET PREDICTION BOT　　　　　**JAN 2022 - PRESENT**

- Prediction done using Twitter sentiment analysis through API keys and tweepy libraries to extract tweets in real-time
- Employed Pytorch and Pandas libraries to manipulate and organize data matrices

JAVASCRIPT BASED REAL-TIME CHAT APPLICATION　　　　　**AUG 2021 - SEP 2021**

- Managed real-time web socket connections to a Node.js server using Socket.io
- Enabled file transferring between several users via FTP Servers

MEDICAL PRESCRIPTION MANAGEMENT SYSTEM APPLICATION　　　　　**MAY 2021 - AUG 2021**

- Assisting users to keep daily track of prescriptions and medicinal intake. Full stack application written with PHP, HTML, CSS frontend and MySQL backend
- Engineered using modern system design principles like RESTful API and relational data models

CREDIT CARD SCAMMER DETECTION BOT　　　　　**DEC 2020 - JAN 2021**

- Python based bot that helps consumers track down credit card hackers that utilize the Luhn Algorithm to create bogus payment requests
- Scaled the fraudulent payment request rate up to 78% using Exploratory Data Analysis (EDA) approach

TECHNICAL EVENTS AND EXTRA CURRICULAR

MEMBER

.devClub　　　　　**JAN 2021 - PRESENT**

- Member of the University of Manitoba's prestigious student run developer club
- Organizing various events to share experiences and new technologies which compliment course work with real world projects

PARTICIPANT

Annual Hackathon Event, iQmetrix　　　　　**APRIL 2021**
- Participated in a group coding project based on a web platform

Annual Game Jam Competition, CSS developer club　　　　　**JAN 2020, JAN 2021**
- Worked on creating a 2D game using C# and Unity engine

Software Conference, CUSEC　　　　　**JAN 2020**
- Engaged into various technical skill related workshops managed by software professionals

TECHNICAL CERTIFICATIONS

Advanced full stack development, Udemy　　　　　JUN 2021
Machine Learning visualization certification, Harvard Data Science　　　　　AUG 2020
Android development covering Kotlin, Infowiz Software Solutions　　　　　MAY 2019

TECHNICAL SKILLS

PROGRAMMING LANGUAGES
Java, JavaScript, Python, Kotlin, C, C++, C#, HTML/CSS3, Ruby, MySQL, PostgreSQL, MongoDB, Prolog, MySQL

TECHNOLOGIES
Git/GitHub, Android Studio, Bootstrap, AngularJS, jQuery, ReactJS, Node.js, ASP.NET, AWS, Dojo

SOFTWARE
Eclipse, Jet Brains, J Unit 5 Framework, Microsoft Visual Studio, NetBeans, Xcode, Wordpress, IBM Data

WORK EXPERIENCE

COVID-19 IMMUNIZATION DATA QUALITY CLERK   JUN 2021 - PRESENT
THE GOVERNMENT OF MANITOBA

- Improving operational efficiencies by optimizing duplicate request rate within root database while simultaneously managing customer requests regarding COVID-19 immunization inquiries
- Assisting in identifying and managing COVID-19 immunization related internal investigations using public shared health surveillance system

TEST CENTRE ADMINISTRATOR/EXAMINATION INVIGILATOR   DEC 2021 - PRESENT
UNIVERSITY OF MANITOBA

- Assisting the University administration with proctoring tests, exams, and quizzes
- Maintaining examination schedules and updates for students, also performing front desk examinee record assisting duties at the test Centre office

EREVNA-MIT MACHINE LEARNING RESEARCHER   MAY 2021 – JUL 2021
HARVARD UNIVERSITY

- Assisted in solving real-world AI project challenges on data driven from nationwide communities
- Collaborated with fellowship project team in gaining hands on experience on technologies like Matplotib, Tensorflow & Keras, and Scikit-learn

VOLUNTEER EXPERIENCE

MATHEMATICS AND ENGLISH TUTOR   DEC 2020 - PRESENT
FRONTIER COLLEGE WINNIPEG
- Adapt teaching strategies to simplify complicated topics and align learning styles with pupils
- Created and implemented comprehensive rubrics for students to use as a guide

EMERGENCY MANAGEMENT VOLUNTEER   NOV 2020 - PRESENT
CANADIAN RED CROSS WINNIPEG

- Collaborate with a knowledgeable team of emergency management professionals in providing effective community support to natural calamity survivors
- Provide compassionate support to the people affected by disasters and emergencies

UMSU ORIENTATION FACILITATOR VOLUNTEER/MENTOR   MAY 2021 – SEPT 2021
UNIVERSITY OF MANITOBA

- Communicated successfully with students regarding smooth transition into the university curriculum
- Assisted university administrators in the preparation and execution of informative activities