

Archit Soni

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🎓 Education

University of Alberta

Bachelor of Science in Computing Science (Specialization)

Apr 2023
Edmonton, Canada

Relevant Coursework - Data Structures, Algorithms, Computer Organization & Architecture, Security in a Networked World, File & Database Management, Information Retrieval, Search and Planning in Artificial Intelligence, Software Development Processes and Interface Design.

👛 Professional Experience

Website Development and Customer Support

CamroseCare

May 2021 – Aug 2021
Camrose, AB, Canada

- Developed and periodically updated information on camrosecare.ca
- Handled advertisement and Search Engine Optimization
- Provided online support to potential clients.

🧠 Skills

Python • C • Java • JavaScript • HTML • CSS • Django • React • SQL • MongoDB • Firestore
Visual Studio Code • Android Studio • Natural Language Processing • Git • Google Cloud Platform

📁 Projects

RocketApp

Java - Android Studio

- Conduct, comment on and respond to crowd-sourced Scientific and Psychological surveys through this app.
- A map showing locations of trials using *Google Maps API*
- Generate QR codes to experiments or to submit predefined trials
- User profile functionality, search and subscribe functionality using *Firebase Firestore* console
- Developed utilizing Scrum methods of Agile development over 3 months.
- Source Code - <https://github.com/CMPUT301W21T30/RocketApp/>

Olympics 2020 - Probabilistic Analysis

Python (pandas, numpy, matplotlib), React

- A projection model for predicted outcome of events in Tokyo Olympics using 110 years of historic data as training set, compared to the original results
- Each Olympic discipline is accompanied by a link for Raw Predicted Values, a Regression Scatter Plot for Predicted vs Actual results and a Clustered-Stack Bar Graph for comparisons.
- Website & Source Code - <http://olympicsstatistic.web.app/>

Hotel

C

- A Hotel booking application with User profile
- Functionalities to access past bookings and make new future bookings.
- Source Code - <https://github.com/archit-soni/hotel>

MLP and Logistic Regression

Python

- Applied Multilayer Perceptron on MNIST dataset to classify handwritten digits with 97% accuracy.
- Applied Logistic Regression on MNIST dataset to classify handwritten digits with 90% accuracy.

Replays

JavaScript (Node.js)

- Login authentication using *Spotify API* allowing users to find their most listened to tracks and artists in the past 6 months.
- Website & Source Code - <https://github.com/archit-soni/replay>