Sanjay Deoram

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EDUCATION

Ontario Tech University　　　　　　　　　　　　　　　　　　　　　　　Oshawa, Ontario
Bachelor of Science in Computer Science　　　　　　　　　　　　*September 2019 – May 2023*

EXPERIENCE

Software Developer Internship　　　　　　　　　　　　　　　　　　May 2022 – Present
Northumberland Community Futures Development Corp　　　　　　　　　*Cobourg, Ontario*
- Collaborated autonomously in a fast-paced start-up team at Rubicon and created an online reporting system for Cobourg Police Service
- Optimized database processing time by decreasing query time by 18
- Leveraged MongoDB and Flask back end with intuitive React front end to create Freedom of Incident report

First Robotics Build Leader　　　　　　　　　　　　　　　　　　Sep. 2018 – June 2019
J. Clarke Richardson Collegiate　　　　　　　　　　　　　　　　　　　*Ajax, Ontario*
- Lead a team to design a robot capable of completing challenges such as traversing over rough domains, shooting projectiles accurately, and climbing
- Developed mechanical systems using pneumatics, motors, micro-controllers, sensors, and circuits
- Designed the physical architecture of different mechanical and electrical systems present in the robot

Data Entry Clerk　　　　　　　　　　　　　　　　　　　　April 2021 – August 2022
Canada Cartage　　　　　　　　　　　　　　　　　　　　　　　　　*Ajax, Ontario*
- Ensure active data maintenance and upkeep for 200 individual client accounts
- Utilized database and software systems to log information for at least 150 drivers per day and ensured data entry is accurate and complete
- Compiled, sorted, and verified digital data against source documents

PROJECTS

GOAT Shoe App | *Flutter, Dart, Firebase*
- Developed an interactive UI using Flutter/Dart and Provider to deliver an E-commerce shop app
- Implemented a custom authentication system using Firebase Auth with the database hosted on Cloud Firestore
- Designed and implemented a modular, extendable, and easily maintainable architecture for the overall app
- Applied Agile software development methodology to further enhance the app

Email Spam Detector | *Java*
- Implemented a robust Java application for high-volume spam email detection
- Integrated Naive Bayes spam filtering model and Bag-of-words model
- Uses a data-focused set of emails to train the program to recognize spam email
- Computed the accuracy and precision of each data set

Food4Cause | *Flutter, Dart, SQLite*
- Created a mock charity mobile app using Flutter/Dar
- Integrated Google maps as well as device level features
- Implemented BLOC design pattern to handle all interactions between UI and business logic
- Leveraged Figma to build a simple user interface and user experience

TECHNICAL SKILLS

Languages: Java, Python, C/C++, Dart, SQL (Postgres), JavaScript, HTML/CSS
Frameworks: React, Stripe.js, Node.js, Flutter, Flask, Material-UI