Vrushank Vaghani

 vrushank2001   vrushank-vaghani-562951211   vrushankvaghani3@gmail.com
+1 (647) 914-2862

OBJECTIVE

A dedicated and enthusiastic Computer Science student with a passion for technology and problem-solving. Possessing a strong foundation in programming languages such as Java, Python, C, etc., with a focus on software development, algorithms, data structures, etc. Proven ability to work collaboratively in team environments, as well as independently on projects. Seeking opportunities to further develop skills and contribute to innovative projects in the field of computer science.

EDUCATION

York University, Toronto, Canada — September 2024
BSc Honours Computer Science- Software Development Stream — *CGPA: 7.15/9.00*

Shri Swaminarayan Mission, Surat, India (High School Grade 12) — June 2020
Percentage: 95.40%

Shri Swaminarayan Mission, Surat, India (High School Grade 10) — June 2018
Percentage: 94.60%

COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Advanced Data Structures, Operating Systems Fundamentals, Software Engineering Requirements and Testing, Software Design, Software Tools, Computer Organization, System Specification and Refinement, User Interfaces, Database Systems, Professional Practice in Computing, Discrete Math, Linear Algebra, Calculus, Physics, Chemistry, Micro- and Macro-economics, Probability & Statistics, Business Mathematics

Awards: First Ranker in School in Grade 12 and 10

SKILLS

Languages: Java, C# (C-Sharp), JavaScript, Python, C/C++, HTML/CSS, MySQL, PostgreSQL, Neo4j Database, LaTeX

Tools: Git/GitHub, VS Code, Eclipse, IntelliJ IDEA, Notepad++, MySQL Server, Neo4j Desktop, Unity (Game Development)

Frameworks: JUnit, REST API, SpringBoot, Kubernetes, React, Node.js

Build Tools: Maven, Gradle

Projects

Six Degrees of Kevin Bacon | *Java, Neo4j Graph Database, SpringBoot, Maven, Git* Summer 2023
- ➜ Team project for the Software Design course.
- ➜ Find an actor's connection to Kevin Bacon in the movie world using this Java tool powered by Neo4j database. Discover the shortest cinematic paths and calculate Bacon numbers effortlessly.
- ➜ Extensive use of REST APIs.

Parent Chore System | *Java, MySQL, Maven, Git, Swing GUI* Winter 2024
- ➜ Developed a full-stack desktop application for a customer who wants to assign chores to her children systematically.
- ➜ Java-based chore management system designed to streamline communication between parents and children regarding household chores.
- ➜ The system allows parents to create and assign chores, track completion status, and even organize friendly competitions among children.

York Sims Game | *C#, Git, Unity, Graphics* Summer 2024
- ➜ Team project of game development. Worked as a developer and designer of the game scenes and mechanics.
- ➜ Unity-based simulation game designed to ease the transition of high-school graduates to first-year university life.
- ➜ The game features almost the entire Keele and Markham campus of York University, allowing students to play around and learn valuable information before starting their first semester.

Experience

ESSO | *Cashier* Sept. 2021 – Present
Senior Cashier and Assistant Manager

Math Tutoring | *Tutor* May 2022 – Present
Online Tutor for Grade 10 to 12 in math and programming languages. Students of India.