

KARAN PATEL

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EDUCATION

Bachelor of Computer Science, Carleton University | 4.0 GPA Sept 2021 - Present

- Pursuing a Specialization in Software Engineering and Minor in Business
- Related Coursework: Introduction to Python, Java Object-Oriented Programming, Abstract Data Types and Algorithms, Discrete Structures I/II, University Calculus, Linear Algebra, Foundations of Info Systems, etc.

High School Diploma, A.Y. Jackson Secondary School | 4.0 GPA Sept 2018 - June 2021

- Completed High school in 3 years (1 year in advance)
- Apart of School Coding Club, Varsity Volleyball, Robotics Team, and Rubik's Cube Club.

EXPERIENCE

Software Engineering Intern Jan 2022 - Present
Ideabytes Inc *Ottawa, ON*

- Decreased company testing software run-time from 2 minutes to 20 seconds by using in-depth time and space complexity analysis
- Generated \$1000 in monthly profits by introducing newer insights and tools to existing clients
- Implemented new features such as website component visualizations, spell check, and auto-generated PDF's

Online Learning Technical Specialist Sept 2019 - Jun 2021
Ottawa-Carleton District School Board *Ottawa, ON*

- Created an automated program to gather student attendance helping save teachers 20 minutes per day
- Taught teachers how to effectively use online software to help their students learn more effectively
- Resolved daily technical issues for teacher and student to reduce

PROJECTS

Password Manager Web Application

- Built a password manager to help store daily passwords using Java Spring Boot Framework, SQL, Thyme-leaf, HTML, CSS and Bootstrap.
- Encrypted the Application and User details with Spring Security, login authentication and email verification
- Deployed Application in the Cloud and used Postgre SQL as primary Database

Web Crawler And Search Engine

- Designed a Search Engine that implements a web crawler and ranking system using Page-Rank algorithm written in both Java and Python
- Focused on an MVC model and OOP project design to ensure clean and efficient operations
- Implemented a Java FX GUI in which multiple customization options were available for search

SKILLS

Proficient	Python, Java, HTML, CSS, JS, Git
Experienced	Spring Boot, React, C, SQL
Soft Skills	Communication, Time management, Teamwork, Adaptability