KARAN PATEL

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EDUCATION

Bachelor of Computer Science, Carleton University | 4.0 GPA   Sept 2021 - May 2025
- Pursuing a Specialization in Software Engineering and Minor in Business
- Related Coursework: Introduction to Python, Java Object-Oriented Programming, Abstract Date Types and Algorithms, Discrete Structures I/II, University Calculus, Linear Algebra, Foundations of Info Systems, etc.

SKILLS

Languages	Python, Java, HTML, CSS, JavaScript, SQL, C/C++
Tools/Frameworks	Git, MongoDB (NoSQL), vs-code, Spring Boot, React.js, node.js, Express, Django
Soft Skills	Communication, Time management, Teamwork, Leadership, Adaptability

EXPERIENCE

Software Engineering Intern, Ideabytes Inc, *Ottawa, ON*   Jan 2022 - Present
- 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, OCDSB, *Ottawa, ON*   Sept 2019 - Jun 2021
- 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 | Java, Spring Boot, Postgres SQL, HTML/CSS, Thyme-leaf,
- 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 | Java, JavaFX, Python, Tkinter, HTML, Selenium
- 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 JavaFX GUI in which multiple customization options were available for search

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EXTRACURRICULAR

Lyft Back-End Engineering Virtual Experience Program: Completed Software Architecture, Refactoring, Unit Testing, Completed Software Architecture, Refactoring, Unit Testing, and Test-Driven Development Tasks

J.P. Morgan Logo Agile Virtual Experience Program: Completed Software Architecture, Refactoring, Unit Testing, Completed Software Architecture, Refactoring, Unit Testing, and Test-Driven Development Tasks

SAP Technical Consulting Virtual Internship Program: Completed Software Architecture, Refactoring, Unit Testing, Completed Software Architecture, Refactoring, Unit Testing, and Test-Driven Development Tasks