Dhruvin Patel

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SUMMARY OF QUALIFICATIONS:

- Proficient in numerous programming languages and expertise in creating efficient, maintainable, and optimized solutions to user-specific problems
- Skilled in developing user-friendly applications that achieve high client satisfaction and retention by understanding and translating user needs into effective software solutions.
- Fluent in verbal and written communication developed through leading Toastmasters program and public speaking honing ability to communicate concepts to both technical and non-technical audiences.
- Expertise in web development software and proficiency in **Python, HTML, CSS, and JavaScript** and skilled in developing responsive web applications

EDUCATION:

University Of Toronto, Computer Science: Software Engineer, Bachelor of Science (Coop)   2021-Present
- Entrance scholarship ($3000), Other scholarships ($2500)

SKILLS:

- **Framework:** React, Node.js
- **Database:** MongoDB, SQL, MySQL
- **Technical:** OOP, API Design, Unit Testing, GIT and SVN, Multiprocessor usage, Scrum, JIRA

PROGRAMMING SKILLS: C, C++, Java/Kotlin, Python, JavaScript, Html-5, CSS, Solidity

- Skilled inefficient use of graphs and recursion, focusing on time and space complexity.
- Advanced understanding of data structures including BST/AVL, Heaps, Stacks, Graphs, Queue, and more.
- Knowledgeable in API development to create manageable, testable, error-free, and scalable code.

RELEVANT PROJECTS:

CoBuild (LeetCode-LinkedIn Hybrid Platform)
- Designed and implemented a unique job application platform that bridges the gap between technical assessments and professional networking.
- Integrated cutting-edge technologies, including a resume parser and OpenAI, to streamline user interaction and assessment evaluation.
- Utilized MongoDB for the backend to efficiently manage user data and assessment results.
- Built interactive leaderboards to display user rankings for each job posting, providing recruiters with a quick overview of applicant performance.
- Developed a comprehensive analysis system that provides recruiters with detailed insights into users' assessment solutions, facilitating informed hiring decisions.

Android Schedule App:
- Developed an Android app using Java as the main backend language and Firebase as a database to create a schedule-maker allowing students to plan their university program
- Built a responsive UI to enhance the user experience and foster engagement with admin and student users.

Graph/Algorithm-Based Programs:
- Produced a high-performance program that utilizes recursion, BFS/DFS algorithms, and a 400 x 400 adjacency matrix/list to substitute recipe ingredients efficiently.
- Developed software to manage friends, sponsors, and brand characteristics in a mini-Facebook database using user-defined functions, queries, and other operations.