

Dhruvin Patel

pateldhruvin2503@gmail.com | <https://www.linkedin.com/in/dhruvin-patel-497398223/> | <https://github.com/pdhruvin25>

SUMMARY OF QUALIFICATIONS:

- Proficient in multiple programming languages and experienced 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 precise verbal and written communication developed through leading Toastmasters program and public speaking, able to communicate technical concepts to both technical and non-technical audience.
- Expertise in web development software, proficient in **HTML, CSS, and JavaScript**, skilled in developing responsive web applications with a focus on usability and design.

SKILLS:

- **Programming Languages:** C, C++, Java, Python, JavaScript, Html-5, CSS, Solidity
- **Technical Skills:** Object-Oriented Design, Modular Programming, API Design, Software Testing/Debugging

RELEVANT EXPERIENCE / PROJECTS:

Android App:

- Developed an Android app using Java as the main backend language and Firebase as a database to create a timetabled feature that enables students to plan their university program.
- Built a responsive UI to enhance the user experience and foster engagement with both admin and student users.

Web Development:

- Developed visually appealing websites using HTML5 and CSS to showcase personal achievements and projects, and designed a responsive and user-friendly interface for a restaurant website.
- Implemented efficient, well-written code that is easy to manage and modify to improve website performance, resulting in better user experience and higher engagement.

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.

System Utilization Tool:

- Created a Linux-based system utilization tool using visual representations of CPU usage and important data points, such as memory utilization and number of users on the current PC, to improve user comprehension.
- Implemented API development techniques to build testable, scalable, and error-free code.

PROGRAMMING SKILLS:

- Skilled in efficient use of graphs and recursion with a focus on time and space complexity.
- Advanced understanding of data structures including BST/AVL, Heaps, Stacks, Graphs, Queue and more.
- Developed a sophisticated movie database and system utilization tool tailored to user preferences.
- Knowledgeable in API development to create manageable, testable, error-free, and scalable code.

EDUCATION:

University Of Toronto, Computer Science: Software Engineer, Bachelor of Science (Coop) 2021-Present

- Entrance scholarship (\$3000), Other scholarships (\$2500)