Dhruv Rai

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Summary

Computer Science student with a solid understanding of programming fundamentals and a strong willingness to learn and adapt. Actively building skills through academic projects and self-study, with a focus on applying theoretical knowledge to practical challenges. Seeking opportunities to contribute, grow, and gain hands-on experience in a professional environment.

Technical Skills

- **Programming Languages:** Python, Java, JavaScript (Basics), Dart

- **Web Technologies Development:** HTML, CSS, JavaScript, Flutter

- **Databases:** MySQL, Firebase

- **Tools & Technologies:** WordPress (CMS), Git/GitHub, MS Office

Education

ITM (SLS) Vadodara University   Oct 2022 – Present

Pursuing Bachelor's in Computer Science Engineering (CSE)

Podar International School, Surat   Mar 2019 – Jun 2020

Higher Secondary (PCM – Science Stream)

Samrat International School, Surat   Mar 2017 – May 2018

Secondary School (Science, Mathematics, Social Studies, English, Computer Science)

Projects

Fake Logo Detection using K-Nearest Neighbors (Python, ML)   Apr 2025

- Collected and preprocessed a dataset of **500+ logo images**, split into 200 training and 100 testing samples.

- Extracted image features using preprocessing techniques and applied KNN classification.

- Achieved **92% accuracy** in detecting counterfeit logos compared to authentic samples.

Neon Compiler (HTML, CSS, JavaScript)   2024

- Designed and built a web-based code editor with neon-style UI and live code execution.

- Optimized JavaScript execution, reducing rendering delays by **30%**.

- Deployed for testing among peers, with **100+ student users** during trials.

- Hosted live through GitHub Pages: Neon Compiler

QR Code Generator (Flutter, Dart)   2024

- Built a cross-platform mobile app supporting **10+ QR input formats** (text, links, Wi-Fi, contacts).

- Implemented real-time QR rendering with generation time under **1 second**.

- Tested across multiple devices, achieving **100% functionality on Android and iOS**.

- Collaborated in a group of 4, handling UI design and backend integration.

Taxi Booking Website (HTML, CSS, JavaScript) 2024

- Developed and deployed a live taxi booking website with responsive layouts.

- Integrated interactive 3D taxi model slider using `model-viewer`.

- Achieved **200+ unique visitors** within the first month of launch.

- Reduced page load time by **25%** on mobile devices through optimization.

- Live project: Taxi Booking Website

Bank Management System (Python, MySQL) Dec 2019

- Created a console-based banking system simulating **50+ customer accounts**.

- Supported secure deposits, withdrawals, and balance checks with **100+ test transactions**.

Certifications

- HTML, CSS & JavaScript Basics – Great Learning (2023–24)

Additional Information

- **Languages:** English, Hindi, Gujarati