

# OHM PATEL

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## Objective:

As a creative and innovative Software Engineer, I am deeply passionate about the synergy of design, creativity, and AI-driven solutions. My objective is to leverage my technical expertise to craft aesthetically pleasing and functionally robust AI applications that push the boundaries of what's possible. I am committed to collaborating with cross-functional teams, combining design thinking with cutting-edge technology to deliver solutions that not only solve complex problems but also delight users. My goal is to contribute to the advancement of AI while fostering a harmonious blend of technology and creativity in every project I undertake.

## Education:

- Bachelor of Computer Application, 2019-2022, Veer Narmad South Gujarat University, India
- Advanced Diploma: Artificial Intelligence Fast-Track, 2023-Present, Centennial College, Canada

## Academic Projects:

### Accident Class Prediction:

- Developed a machine learning model and Web App using Python and scikit-learn to predict Accident class (Fatal or Non-Fatal) based on the data points related to accidents like vehicle involved, location etc., achieving an accuracy rate of 90%.

### Ham/Spam Comments Separator

- Use natural language processing (NLP) to develop a tool that separates ham/spam comments on YouTube.

### RFID Based Student Management System (ProLine)

- I designed and implemented an RFID-Based Student Management System, which encompassed the development of a web application utilizing the WAMP stack (Windows Apache MySQL PHP).
- Additionally, I engineered an RFID Scanner utilizing Arduino technology to facilitate data capture.
- Furthermore, I created a user-friendly React Native mobile application, empowering students with seamless access to their academic performance data.

### Online Movie Streaming Platform (Flick)

- This comprehensive project involved the utilization of technologies such as PHP, MySQL, JQuery, and JavaScript to develop a feature-rich platform.
- To enhance the user experience, I seamlessly integrated the IMDB API to fetch essential movie information, including movie posters, cast details, duration, and IMDB ratings.

- Furthermore, I implemented an intuitive Admin Panel, affording administrators complete control over the platform's operations and content management.

## Key Achievements:

I achieved the following notable accomplishments in the field of Information Technology and Education:

- Attained **First Position** in the Photo IT category during a state-level competition hosted by Praul University, India's Youngest NAAC A++ Accredited University.
- Garnered **First Place** in a Project Showcase Competition, showcasing my proficiency in project development and presentation.
- Achieved the **Second Position** in the Imagine Waves competition, once again at Parul University, reflecting my creative and innovative abilities.
- Served as the **IT Head for two consecutive years** at the School Enterprise Challenge organized by the British Council (<https://www.schoolenterprisechallenge.org>), demonstrating my leadership and commitment to educational initiatives.

These accomplishments underscore my dedication, leadership skills, and excellence in the field of Information Technology and education.

## Core Sills:

- **Programming Language:** Python, C++, C, Java, JavaScript, React JS, React Native, Php, HTML
- **Classical Machine Learning Models:** Linear Regression, Logistic Regression, Random Forest, Support Vector Machines, Decision Tree
- **Database:** Oracle SQL, MongoDB, MySQL
- **Repository Management:** GitHub
- **Web Design Tools:** CSS, Bootstrap, Tailwind CSS
- **UI Design Tools:** Figma, Adobe XD
- **Graphic Editor:** Photoshop, Corel Draw