

# Rikesh M. Makwana

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## Objective:

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To get practical knowledge in the field of mobile and web development, software development, graphic design and be an active member of the organization.

## Education:

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### Computer Science, BSc (Hons)

Heriot-Watt University Dubai

## Skills:

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- **Programming Languages:**  
**Client Side:** HTML, CSS, JavaScript  
**Server Side:** Java, JavaScript (NodeJS) , Python and PHP  
**Familiar with:** C, SML, Prolog and ARM Assembly
- **Database Systems and Tools:**  
MySQL, PhpMyAdmin, Sequel Pro
- **IDEs and Development Tools:**  
Git, GitKraken, Eclipse, VS Studio Code, VMware
- **Operating Systems:**  
MacOS, Windows, Ubuntu Desktop
- Adobe Suit
- Microsoft Office
- Photography

## Academic Projects:

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### HWMarketing – Database Design and Implementation

January 2019

Design and implemented a database with a team of 4 other students. The project involved designing the ER diagram and relation schema, based on which the database was implemented in MySQL. Each member of the group was required to write advanced business intelligence queries including transactions and stored procedures.

### Space Time – E-commerce Website

October 2018

Developed an e-commerce website using prior knowledge and experience in UI/UX concepts and technologies like HTML5, CSS3, JavaScript for the front-end and NodeJS, ExpressJS for the back-end from scratch.

#### Features include:

- List and view available products
- Allow users to add products to shopping cart
- Checkout (payment not integrated) and email confirmations
- Responsive Web Design (RWD) using Mobile First approach

### Thede Family Center – Website Redesign

April 2018

Redesigned an existing real-world website with a team of 4 other students using information architecture analysis and UI/UX concepts as well as technologies like HTML5, CSS3, JavaScript, PHP and MySQL from scratch.

## Features include:

- Responsive Web Design (RWD) using Mobile First approach
- Accessibility User Interface (UI)
- Added extra functionality to improve Human Computer Interaction (HCI)
- No frameworks used

## Chill Bites – Mobile Application

December 2017

Designed a kitchen companion app, which helps the user in finding recipes based on the ingredients available and helps managing groceries easily by notifying the user if there is any ingredient, they are allergic to before adding it to the list.

Front-End and Back-End developed with MIT App Inventor (block programming language) and Google cloud APIs.

## Volunteering Experience:

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### ORA House (Solar Decathlon Middle East),

October 2017 – October 2018

Marketing team

- Assisting with the conceptualization, creation and editing process of images for projects
- Capturing and processing images for social media campaigns

### Student Council – Heriot-Watt University Dubai,

November 2017 – September 2018

Editor of Photography

- Leading the photography team to cover various on campus events
- Creating digital content for social media campaigns

### TEDx OOB:

September 2015 – November 2016

Production team

- Designing event posters and brochures
- Managing and creating digital content for social media campaigns

## Awards & Achievements:

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- Participated in RTA transportation hackathon 2019
- 1st place Unlock the future of Ajman hackathon – e-Ajman mobile application 2018
- Participated in Dubai Taxi Corporation (DTC) hackathon 2018
- 1st Place Hindi Utsav logo design competition 2016
- Featured in the GEMS family magazine, "Innovation in Elections" e-Voting mobile application 2016
- 3rd place in Mashreq GEMS Mobile Application Challenge 2015

## Hobbies and Interests:

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- Computer Programming
- Digital Art and Photography

## Personal Details:

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- **Visa:** Student Visa
- **Languages Known:** English, Hindi and Gujarati