



# Muhammad Umar

FRONT END DEVELOPER

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| Date of Birth: 3 August 2000

## Education

### Jacobs University Bremen

Bremen, Germany

B.SC IN COMPUTER SCIENCE (3RD SEMESTER OUT OF 6)

Feb. 2020 - Present

- **Computer Science courses taken:** Algorithms and Data Structures (Python and C++), Introduction to C and C++, Intro to Computer Science

### Beaconhouse School System

Lahore, Pakistan

INTERNATIONAL BACCALAUREATE (IBDP) | GRADES: 37/45 BANDS

Sept. 2017 - May. 2019

- **Notable achievements:** Only student out of top 150+ international IB students to be awarded a 1500 USD scholarship during International World IB Conference in Hong Kong. Attended conference to raise awareness about education inequality for women

## Skills

**Front-end** React.js, Redux, React Router, JavaScript, TailWind CSS, Styled Components, Material UI, Chakra UI, HTML5, CSS

**Back-end** REST API, Google Firebase, JavaScript Fetch API

**Programming** JavaScript, Python, C/C++, Arduino

**Developer tools** Git, VS Code, Netlify

**Languages** English (native level), German (A2), Urdu (native level)

## Projects

**Personal Portfolio Website:** <https://umar-00-portfolio.netlify.app/>

### Twitter Clone

**CLICK HERE: TWITTER CLONE**

- Built with React.js and Tailwind CSS. Made fully responsive for mobile and desktop
- App State management provided through Redux and Redux-Persist implementation
- Users can sign-up/log-in using personal Email or Google's Sign-in functionality; each logged-in user has a unique profile, the ability to change their Display Name and Profile Photo, and ability to send new Tweets (optionally with pictures) that are visible to every other user
- Tweets are sent and retrieved from a Google Firebase server in real time

### React Movie Website

**CLICK HERE: REACT MOVIE WEBSITE**

- Built with React.js and Styled Components and made fully responsive for mobile and desktop
- The Movie DB API used with JavaScript's Fetch API to retrieve movie database
- Database used to display most popular movies on homepage. Each movie has its unique view page which shows its details and displays a list of actors

### Disaster Event Tracker

**CLICK HERE: DISASTER EVENT TRACKER**

- Fully responsive website made with React.js and CSS
- NASA EONET REST API used to display real-time world natural disasters on a Google Maps overlay provided by Google Maps JavaScript API

## Experience

### Lahore Grammar School International

Lahore, Pakistan

ARDUINO TEACHER

Sept. 2019 - Dec. 2019

- Successfully initiated school's first ever Arduino Robotic Workshop
- Teaching Arduino to 90 different students ranging from Grade 6-12
- Creation of Arduino IOT Projects:
  - Wireless Arduino powered RC car, controlled remotely using an Android app and through a HTML page
  - Automatic compost bin made using Arduino, transistors, motors, and operated through WIFI connectivity