

#### **School of Computer Science and Engineering**

Lovely Professional University

Phagwara, Punjab (India)

## **Tour and Travel Website**

## Robin Kashyap

Advance Web Development

11704311

**RKM014** 

Faculty In charge: Miss Neha Sharma

**GitHub Link** 

https://github.com/robinkashyap/Tour-and-Travel

## Specifications

This project is made up with node.js and Express as backend framework, handlebars as templating engine and MongoDB as database. And Frontend part is made up with React Js.

## Node.js

Node.js is an open source, cross-platform runtime environment for developing server-side and networking applications. Node.js applications are written in JavaScript and can be run within the Node.js runtime on OS X, Microsoft Windows, and Linux.

Node.js also provides a rich library of various JavaScript modules which simplifies the development of web applications using Node.js to a great extent.

Following are some of the important features that make Node.js the first choice of software architects.

- Asynchronous and Event Driven All APIs of Node.js library are asynchronous, that is, non-blocking. It essentially means a Node.js based server never waits for an API to return data. The server moves to the next API after calling it and a notification mechanism of Events of Node.js helps the server to get a response from the previous API call.
- **Very Fast** Being built on Google Chrome's V8 JavaScript Engine, Node.js library is very fast in code execution.
- Single Threaded but Highly Scalable Node.js uses a single threaded model with event looping. Event mechanism helps the server to respond in a non-blocking way and makes the server

highly scalable as opposed to traditional servers which create limited threads to handle requests. Node.js uses a single threaded program and the same program can provide service to a much larger number of requests than traditional servers like Apache HTTP Server.

- **No Buffering** Node.js applications never buffer any data. These applications simply output the data in chunks.
- **License** Node.js is released under the <u>MIT license</u>

## **ExpressJs**

Express is a small framework that sits on top of Node.js's web server functionality to simplify its APIs and add helpful new features. It makes it easier to organize your application's functionality with middle ware and routing; it adds helpful utilities to Node.js's HTTP objects; it facilitates the rendering of dynamic HTTP objects.

#### **MongoDB**

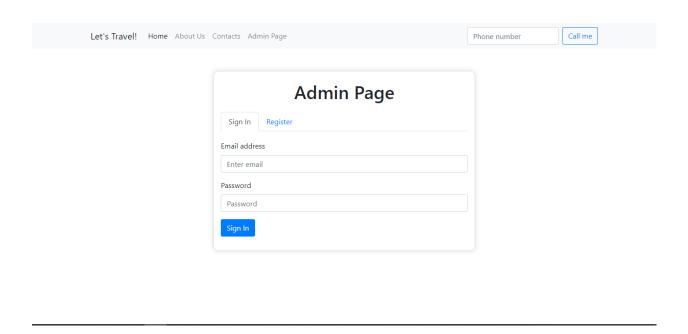
MongoDB is a NoSQL database which stores the data in form of key-value pairs. It is an Open Source, Document Database which provides high performance and scalability along with data modelling and data management of huge sets of data in an enterprise application. MongoDB also provides the feature of Auto-Scaling. Since, MongoDB is a cross platform database and can be installed across different platforms like Windows, Linux etc.

#### React

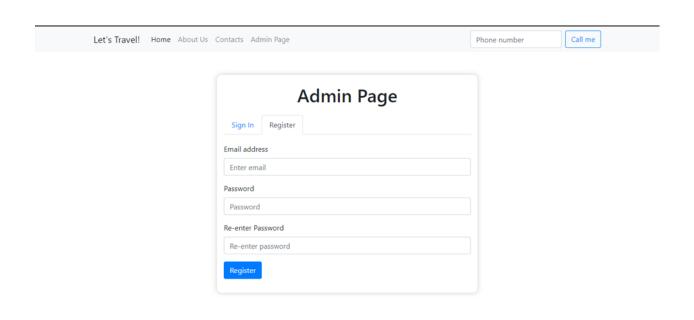
React is a JavaScript library that aims to simplify development of visual interfaces. Developed at Facebook and released to the world in 2013, it drives some of the most widely used code in the world, powering Facebook and Instagram among many, many other software companies. Its primary goal is to make it easy to reason about an interface and its state in any point in time, by dividing the UI into a collection of components. React is used to build single-page web applications, along with many other libraries and frameworks that were available before React came into life.

## Screenshots

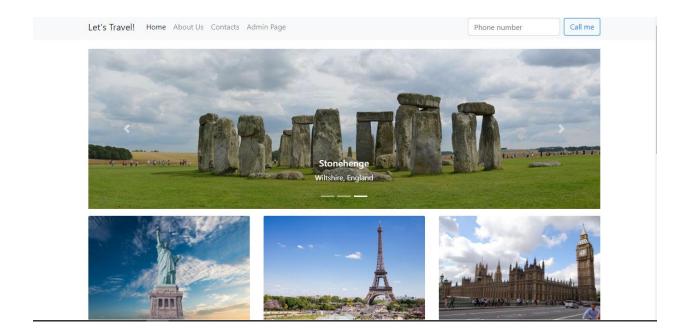
## Sign In



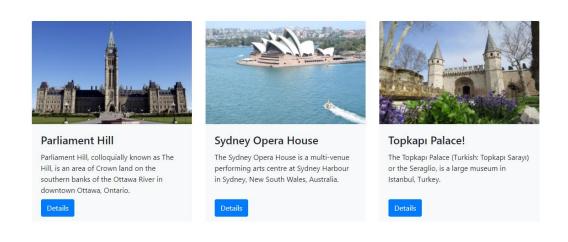
## Registration



## Home Page: -



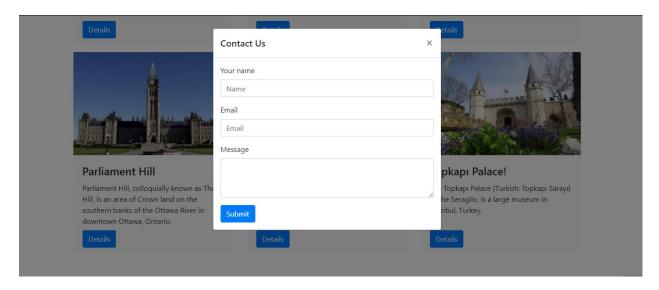
## **Tour Packages**



## **Details Of Destination**



## Contact Us



# Thank You