

SUDHA KUMAR

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SUMMARY

- Ambitious **Full Stack Web Developer** with a passion for creating meaningful web applications and responsive websites with React and applying UI/UX principles and best practices.
- Versatile **team player** with experience in agile methodologies and proven cross-team collaboration.
- **Proficient** in web development and Geospatial Information Systems with knowledge of Mapbox.
- **Fast learner** with excellent verbal and written communication skills.

TECHNICAL SKILLS

FRONTEND: HTML5, CSS, JQUERY, JAVASCRIPT, BOOTSTRAP, AJAX

BACKEND: MYSQL, MONGODB, EXPRESS, REACTJS, NODE, HANDLEBARS

LANGUAGES: PHP, C++, PYTHON, R, XML, VISUAL BASIC

APPLICATIONS: ADOBE SUITE, MS OFFICE SUITE, SHAREPOINT

GIT: GIT BASH, GITHUB, VISUAL STUDIO CODE

GIS: REST, ESRI SUITE (ARCGIS DESKTOP, ARCMAP, ARCSERVER, ARCGIS ONLINE), ARCSDE, ENTERPRISE GEODATABASE GRASS, QGIS. Mapbox

EXPERIENCE

Projects from Full Stack Program

UNC Chapel Hill

May 2020 – Oct 2020

A rigorous program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Express.js, React.js, Node.js, progressive web apps, agile methodology, computer science, database theory, MongoDB, MySQL, and Git.

Project 1: Sports Finder Application

Designed, built, and deployed a client-side web application using GitHub Pages. Executed git branching workflow in a collaborative environment. Prepared a professional presentation. Applied agile software development methodologies. The application displays sporting events with date, time, venue, and map of the event in the same page when the user enters a city in the search box

Github link: <https://github.com/sskumar4/Finder-Project1>

Technologies: HTML, CSS, Javascript, AJAX, jquery, Materialize, Openweathermap and Ticket master APIs

Project 2: SafeTravel

Conceived and executed client-side web application that finds the safety score of a given destination using API and allows the user to save the destination in a wish list for future travel destination. Implemented express handlebars and deployed in heroku

Github link: <https://github.com/sskumar4/safetravel>

Technology: Express, handlebars, sequelize, mysql, nodejs, jquery, javascript, html HTML, CSS, BootStrap CSS, Pure CSS Heroku

Project3: SafeTrip

Converted the SafeTravel project to a MERN application. SafeTrip is a full stack MERN application that finds the safety score of a given destination and allows the user to save the destination in a wish list as a future travel destination. The app allows the user to delete the saved city and enter travel notes for the city in the wish list page. Implemented GET and POST routes for retrieving and adding new data, deployed the application using Heroku. Applied a folder structure that meets the MVC paradigm. Used API keys in Node with environment variables

Github link: <https://github.com/sskumar4/safetrip>

Technology: React, Express, mongo, node JS, html, CSS, BootStrap CSS, Heroku, Amadeus API and Google geocode API

Communications and Outreach Support (ORAU Contractor) US Environmental Protection Agency

Nov 2018 – May 2020
Durham, NC

Performed descriptive analysis to find total pageviews, apply inferential analysis to find the user base and compare the trends in the user accesses of EnviroAtlas web pages from FY 2016-2018 using Qlik data visualization software

Key Accomplishments:

- Created data visualizations and apps using Qlik Sense
- Collaborated with stakeholders. Designed, developed, and updated EnviroAtlas interactive mapping application web pages using Drupal CMS
- Developed YouTube tutorial videos and pdf guides for the mapping application
- Created maps for analysis using ArcMap and ArcGIS Online

Web Document Publishing/IT Assistant/Web Designer Assistant Mediant Communications

Mar 2015 – June 2017
Cary, NC

Worked closely with Web Designers to assure documents meet client's expectations and deadlines. Communicated with Relationship managers for document hosting website requirements.

Key Accomplishments:

- Created digital web-ready documents with bookmarks and links from PDF source using company's proprietary software
- Branded/Designed/Developed/implemented standard and responsive websites using Adobe Muse, Photoshop, Illustrator, HTML, CSS, SQL
- Documented various internal company procedures
- Edited images using Photoshop, sourced logos and other images from client websites to be used in the digital documents

GIS Graduate Teaching Assistant

Jan 2016 – Dec 2016
Raleigh, NC

North Carolina State University

Collaborated with instructional team to update and improve course materials over two semesters

Key Accomplishments:

- Facilitated weekly lessons for three graduate level courses over two semesters, including communicating expectations, producing, and monitoring help forums in person and through various digital media.
- Graded assignments for a total of around 40 students per semester over two semesters

**Web Developer/administrator
Freelance**

Feb 2012 – Nov 2012

Key Accomplishments:

- Collaborated with the Stake holder to research and analyze the project.
- Designed and developed the company website using HTML, PHP, Photoshop, JavaScript, and Flash
- Managed the front-end and back-end development

EDUCATION

Bootcamp Certificate: UNC Chapel Hill, NC Dec 2020

A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap, Node Js, MySQL, MongoDB, Express, Handelbars.js & ReactJS

Master of Geospatial Information Science and Technology (MGIST): NCSU, Raleigh, NC Dec 2016

Geospatial Data Structures and Web Services, Geospatial Modeling, Geospatial Programming Fundamentals

Graduate Certificate in Geographic Information System: NCSU, Raleigh, NC Dec 2014

Bachelor of Science in Computer Information System: NCWC, Morrisville, NC May 2012

Associate Degree in Web Technology: Wake Tech Community College, Raleigh, NC May 2010