

# Kushagra Srivastava

Rising Junior: Computer Science (Bachelor of Sciences w/ Honors) at University of Massachusetts, Amherst

CompSci major fluent in Web and Mobile Development, Data Management, as well as interested in Research and Development in Machine Learning & AI.

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🐙 github.com/suobset

## EDUCATION

### BS Hons: Computer Science

University of Massachusetts, Amherst

09/2020 - 05/2024

Manning College of Information and  
Computer Sciences

#### Courses

- Data Structures
- Computer Systems
- Programming Methodology
- Algorithm Design
- Discrete Math
- Statistics + Probability

### Integrated Concentration in Sciences

University of Massachusetts, Amherst

11/2020 - Present

College of Natural Sciences

Projects (hosted here: <https://suobset.github.io/iCons/>)

- [Mapping Transit Accessibility \(in collaboration w/ Museum of Science, Boston\)](#)
- [Hydrogen Accessibility and Barriers.](#)
- [Analysis on Adoption of newer Energy Storage Methods \(Flow Batteries\)](#)
- [Meta Analysis on COVID Trends in different countries.](#)

## WORK EXPERIENCE

### Technology Research Assistant

Spider Business Network

05/2021 - 08/2021

Dubai, U.A.E.

Internship

#### Achievements/Tasks

- Developed a Web and Mobile Application to help the company expand their Business Consultancy Services to more clients.
- Focused on implementing the Back End through Python and NoSQL databases.
- Designed the Web Front end using HTML/CSS, & React.js.

### IT Specialist & Trainer

The Indian High School

04/2020 - 08/2020

Dubai, U.A.E.

Internship

#### Achievements/Tasks

- Facilitated the school's migration towards online learning.
- Utilized a combination of the School's Intranet systems + Microsoft's Business Products.
- Trained Faculty & Students on using the same.

### Project Manager

Tata Consultancy Services

05/2019 - 08/2019

Dubai, U.A.E.

Internship

#### Achievements/Tasks

- Designed a Digital Infrastructure for a Kuwait-based Food Company (Kout Food Group).
- Developed a web-based platform coupled with Big Data Analytics and Cloud Computing to manage the inventory.
- Utilized Amazon Web Services along with Hadoop.

## SKILLS

HTML/CSS

JavaScript

Python

Java

C

React

R

RUST

TensorFlow

Kotlin (Android)

PHP

Objective-C

NPM

Hadoop

Powershell

Keras

Git

Swift (iOS)

BASH

SQL

x86 Assembly

## PROJECTS

### Personal Website (05/2019 - Present)

- Designed and Developed a Website (<https://skushagra.com>) which was initially used to teach guitar lessons during high school, and currently acts as a personal portfolio.
- Used jQuery, Bootstrap for the Front End, and Node.js + NPM for the Back End. Languages used include HTML/CSS, JavaScript, and PHP.

### MoodMusic (11/2021)

- React App developed at HackUMass IX (48 hr Hackathon)
- Application integrates with a user's Spotify account to determine moods of current songs using a mathematical model.
- Calculations handled by Python, while the web app uses React.js. An API was created by Flask to bridge the gap between the languages.
- Link: <https://github.com/suobset/MoodMusic>.

### DermSafe (12/2020)

- Android App developed at HackUMass VIII (48 hr Hackathon).
- Application uses AI to determine if an individual has skin cancer based on uploaded pictures. AI models trained on TensorFlow.
- Mobile App uses Java, and the AI model was developed on Python.
- Link: <https://github.com/suobset/hackUmass-VIII-proj-DermSafe>.

## ORGANIZATIONS

UMass Student Alumni Association (10/2021 - Present)

Google Developer Student Clubs (11/2021 - Present)

## LANGUAGES

English

Native or Bilingual Proficiency

Hindi

Native or Bilingual Proficiency

Arabic

Limited Working Proficiency

Italian

Elementary Proficiency

## INTERESTS

Research

Machine Learning

Artificial Intelligence

Data Science

Software Development (for web and mobile)

Big Data

Cloud Computing