# 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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### **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.

Achievements/Tasks

Internship

- 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
- Designed the Web Front end using HTML/CSS, & React.js.

# **IT Specialist & Trainer**

# The Indian High School

04/2020 - 08/2020 Internship

Dubai, U.A.E.

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

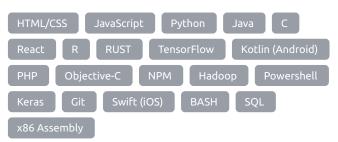
05/2019 - 08/2019 Internship

Dubai, U.A.E.

#### 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**



# **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
- 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: <a href="https://github.com/suobset/MoodMusic.">https://github.com/suobset/MoodMusic.</a>

#### 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

Hindi

Native or Bilingual Proficiency Native or Bilingual Proficiency

Arabic Italian

Limited Working Proficiency Elementary Proficiency

# **INTERESTS**

Research Machine Learning Artificial Intelligence Data Science Software Development (for web and mobile) Big Data Cloud Computing