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 Transport Access (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

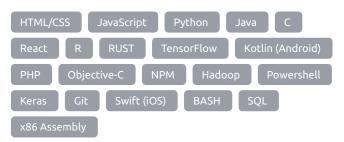*05/2019 - 08/2019*   *Dubai, U.A.E.*
Internship

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`