Kushagra Srivastava he/him/his

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EDUCATION

University of Massachusetts Amherst	Manning College of Information and Computer Sciences	Exp. Graduation May 2024
B.S. Hons. in Computer Science	GPA: 3.56

Coursework: Data Structures (**Java**), Algorithms, Programming Methodology (**JavaScript**), Computer Systems Principles (**C**, RUST, **x86 Assembly**), **Discrete Math**, Calculus, Statistics, **Probability Theory, Reasoning Under Uncertainty**

Special Interests: i). Algorithms (Algorithm Design, Complexity, and Programming Methodology); **ii).** Physics (Electrical Systems, Thermodynamics, Classical Mechanics, and Relativity); **iii).** Website and Mobile Development. **iv).** Machine Learning & Big Data Development (Hadoop, Python, Tensorflow, Keras)

WORK EXPERIENCE

Spider Business Network, Dubai - *Technology Research Assistant*	May – Aug 2021

- Designed a web & mobile platform to help the corporation expand their services to more clients. Focused on implementing the backend through Python and NoSQL databases, and designed the web frontend.

Tata Consultancy Services, Dubai - *Project Manager*	May - Aug 2019

- Designed a digital infrastructure for a Kuwait-based food company (Kout Food Group). A web-based platform coupled with big data analytics and cloud computing was developed to manage the inventory of the business.

PROJECTS · **github.com/suobset**

Software Written for iCons: (HTML/CSS, JavaScript)	Nov 2020 - Present

- A Collection of Code/Software related contributions to projects I have done under the Integrated Concentration in Science (iCons) Program along with the College of Natural Sciences at UMass, Amherst. Mostly Web Dev.

MoodMusic: React app developed at HackUMass IX - 48hr Hackathon	Nov 2021

- Application which integrates with a user's Spotify account to determine moods of current songs using a Mathematical Model coded in **Python**. The rest of the web application uses **React.js,** and **Flask** to bridge the gap between programming languages.

DermSafe: Android App developed at HackUMass VIII - (Java, Python, Tensorflow)	Dec 2020

- AI-based Android Application to determine if an individual has Skin Cancer based on uploaded pictures. Uses **Java**, and **Python** (along with **Tensorflow**).

SKILLS

Programming Languages: Python, Java, **HTML/CSS, JavaScript**, C, Kotlin (**Android**), Objective-C, Swift (**iOS**), R, RUST

Tools: GitHub, **Node Package Manager (NPM)**, **Linux Bash**, iOS/Android, **React**, **Tensorflow**, **Keras**, JIRA, Powershell, Slack

LEADERSHIP EXPERIENCE

iCons: Apollo 11	Team Coordinator & Member	Nov 2020 – Present

- Coordinated the 11th iCons cohort to design a logo and apparel to represent the cohort. Also organized the iCons podcast (editing, writing, interviews), and helped run various facets of the program.

The Indian High School, Dubai, U.A.E.	IT Specialist and Trainer	Apr – Aug 2020

- Facilitated the school's migration towards online learning through a combination of the school's intranet systems and Microsoft's business oriented products. Volunteered to train the faculty and students on utilizing the systems as well.