

KUSHAGRA SRIVASTAVA

P: +1-413-425-3997 | ksrivastava@umass.edu | [linkedin.com/in/suobset](https://www.linkedin.com/in/suobset) | github.com/suobset | skushagra.com

EDUCATION

UNIVERSITY OF MASSACHUSETTS, AMHERST

Bachelor of Science w/ Honors

Major in Computer Science; Minor in Psychology

Cumulative GPA: 3.52/4.0; Dean's List

Relevant Coursework: Data Structures; Computer Systems; Reasoning Under Uncertainty; Programming Methodology; Algorithm Design; Artificial Intelligence; Operating Systems

Amherst, MA

Expected 05/2024

COLLEGE OF NATURAL SCIENCES AT UMASS AMHERST

Integrated Concentration in Sciences (iConS); a 20-Credit Research Based Undertaking backed by NSF.

Research Projects are hosted on the official UMass website, compiled in suobset.github.io/iCons

Amherst, MA

11/2020 - Present

WORK EXPERIENCE

MATHLOGIC (Machine Learning and Analytics Based Consultation Company)

Machine Learning Intern

New Delhi, India

05/2022 – Present

- Constructed, trained, analyzed, and optimized Neural Networks on tabular, and image based datasets via Tensorflow and Keras.
- Achieved a training accuracy of 96.21% and testing accuracy of 95.17% on the MNIST Database. Similar figures were achieved on the VisualQA database, as well as Tabular datasets reflecting Market Conditions provided by the company.
- Experience with different types of Neural Networks (mainly CNN, RNN), Gradient Descent, Loss Curves, Precision vs. Recall, and the implementation of the same in Python 3. Additional experience includes working with Numpy, Sci-Kit, and Pandas.

THE INDIAN HIGH SCHOOL

IT Specialist & Trainer

Dubai, U.A.E.

04/2020 - 08/2020

- Led a team of 14 graduates to develop a Mobile App integrated with Microsoft 365 to move classwork and exams for 4500+ students online. Utilized Kotlin, Swift, Firebase, and Flutter. Trained 150 Faculty Members on using the same in 5 days.
- Implemented the authentication system of the school's newly developed Alumni Portal using Django, Python, and SQL.

TATA CONSULTANCY SERVICES

Software Developer Intern

Dubai, U.A.E.

05/2019 - 08/2019

- Designed a platform in 6 weeks for a Food Company (Kout Food Group) to digitize the infrastructure across 19 branches.
- Utilized Amazon Web Services, SQL, and Hadoop to aid in the development of a web-based platform which manages the inventory and daily activities. Aided the development of real time tracking services as well.
- Deployed the initial phase of the product in under 2 weeks, as well as devised a 6-month migration plan to turn 100% digital.

PROJECTS

MAPPING TRANSIT ACCESSIBILITY OF BOSTON (Integrated Concentration in Sciences)

05/2022

- A group project to map the Boston T and judge its accessibility, backed by the National Science Foundation, and the CNS.
- Created an Interactive Map using GIS and R to showcase the accessibility of each and every of the 162 stations, along with real-time on-field data taken in Boston over the span of 2 weeks. Link to project: <https://suobset.github.io/iCons/iCons2-MoS>

ASSESSING THE RATE OF DEVELOPMENT OF RENEWABLE ENERGY TECHNOLOGIES

03/2022

- An individual project to create an interactive visualization to showcase the development and adoption of Flow Batteries.
- The project utilizes an interactive graphic designed using JavaScript to help the audience interact and experiment with the same.
- Link to project: <https://suobset.github.io/iCons/iCons2-CS1>

ON THE MOVE (OTM) Project for SPIDER BUSINESS CONSULTANCY

05/2021 – 08/2021

- Ideation, design, and preliminary implementation of a Business Assistant's model to cover over 19 countries in 5 continents.

HACKUMASS (48 Hr Hackathon): DermSafe (Skin Cancer Detector: 11/2021) & MoodMusic (Spotify Mood Detector: 12/2022)

ACTIVITIES

UMASS AMHERST STUDENT ALUMNI ASSOCIATION

10/2021 - Present

GOOGLE DEVELOPER STUDENT CLUBS

11/2021 - Present

SKILLS

Technical Skills: Advanced in JavaScript, React, Python, SQL, Java, C, R, Linux Bash; Proficient in RUST, Kotlin, Swift, PHP, Powershell; Frameworks and Tools: Tensorflow, Keras, Django, Node.js (NPM), Numpy, Pandas, Git

Languages: Fluent in English, and Hindi; Elementary Proficiency in Arabic, and Italian

Certifications & Training: Python + ML via Kaggle, Merit Certificate in Classical Guitar (Grade 5) via Trinity College London

Awards: Chancellor's Award (UMass Amherst); Dean's List in UMass Amherst (2021)