KUSHAGRA SRIVASTAVA

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EDUCATION

UNIVERSITY OF MASSACHUSETTS, AMHERST   Amherst, MA
Bachelor of Science w/ Honors   Expected 05/2024
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

COLLEGE OF NATURAL SCIENCES AT UMASS AMHERST   Amherst, MA
Integrated Concentration in Sciences (iConS); a 20-Credit Research Based Undertaking backed by NSF.   11/2020 - Present
4 Published Research Projects are hosted on the official UMass website, compiled in suobset.github.io/iCons

WORK EXPERIENCE

FN MATHLOGIC CONSULTING SERVICES   Gurugaon, India
Machine Learning Intern   06/2022 – 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 multiple tabular datasets reflecting Market Conditions provided by the company.
- Experience with different Neural Networks, Gradient Descent, Loss Curves, Precision vs. Recall, and coding the same in Python 3.
- Currently working on a Kaggle Competition with American Express to predict Credit Card Defaults.

THE INDIAN HIGH SCHOOL   Dubai, U.A.E.
IT Specialist & Trainer   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   Dubai, U.A.E.
Software Developer Intern   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 Museum of Science at Boston, 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)