Ishaan Arora
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Software Engineer with experience in Finance | US Citizen

EDUCATION

Tufts University, Medford, MA, United States *Expected May 2024*
Bachelor of Science in Computer Science and *Quantitative Economics*
GPA: 3.9/4.0

Relevant Courses: Data Structures, Machine Structure & Assembly Language Programming, Intro to ML & Data Mining, Web Programming, Algorithms; Linear Algebra, Discrete Mathematics, Calculus II

SKILLS

Programming Languages: Python, C, C++, x86, JavaScript, SQL, Stata, HTML, CSS, Node.js, PHP
Computer Skills: Git, LaTeX, Embedded Systems, Machine Learning, Assembly Language programming

EXPERIENCE

Tufts University, Medford, MA, United States *Starting September 2023*
Web Programming Course Assistant (CA)
- Provided one-on-one assistance to students, addressing questions and concerns related to web programming concepts, debugging, and code optimization
- Collaborated with course instructors to develop effective teaching materials and programming exercises
- Conducted thorough review and grading of assignments, ensuring accurate evaluation of students' coding skills and adherence to course requirements

NITI Aayog, New Delhi, India *August - October 2022*
Economics and Finance Intern
- Spearheaded research into two traditional methods of financial data transfer in India
- Designed a presentation on Account Aggregators - to promote safe, efficient, and consensual information transfer between financial information users and providers
- Presented findings to a committee of six mentors and the head of the Economics and Finance vertical

CLASS PROJECTS

Arith: Created a modular algorithm to compress PPM images using chroma quantization and bit-packing
Asmcoding: Implemented a Reverse Polish Notation calculator in a usable assembly language that extends the Universal Turing Machine (namely, the Universal Machine Macro Assembler or UMASM)
Image Classification: Used logistic regression and feature engineering to train a model to correctly identify and differentiate between images of trousers and dresses.
Sentiment Analysis: Trained logistic regression, neural network, and support vector machine models to predict the sentiment of previously unseen single-sentence reviews from Amazon, IMDB, and Yelp
Web Programming Final: Designed and implemented a user login system (https://shorturl.at/jswBN**)**

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

JPMorgan Chase *July 2022 (Approx. 8-10 hours)*
Virtual Experience Program Participant with Forage
- Found potential M&A targets, collected information, and researched auction processes
- Ran and analysed a DCF model and made recommendations to superiors

Legalese, New Delhi, India *January 2019 - May 2020*
Founder
- Founded social initiative Legalese to foster legal literacy amongst the working class in India; website: www.prepindia.net/legalese
- Researched and created fifteen pamphlets on Indian employment laws
- Partnered with Samarpan and SMILE Foundation in New Delhi to distribute pamphlets and mentor over 150 underprivileged people aspiring to join the work force

Iris, New Delhi, India *September - November 2018*
Founder and CEO
- Founded Iris: a social welfare platform that curates social experiences tailored to users' interests to improve well-being
- Presented Iris to a summit of twenty venture capitalists at the Young Founders Summit, Singapore