

Pulkit Jain

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EDUCATION

- **Tufts University** Medford, MA
Bachelor of Science in Computer Science Expected May, 2019
Honor(s): Dean's List

RELEVANT EXPERIENCE

- **Human Robot Interaction Laboratory** Medford, MA
Research Assistant May 2018 - Present
 - Extended the visual mode of communication of the DIARC architecture to facilitate task learning.
 - Worked with OpenPose, OpenCV, and Tensorflow to create models for object detection, body keypoint extraction, and action observation.
- **JumboCode** Medford, MA
Front-End/Mobile Developer Jan 2017 - May 2018
 - **Harvard Square Homeless Shelter:** Created a React Native application to help track resources, volunteers, bedding information, and lottery information for the Shelter.
 - **Boston Athletics Association:** Wrote a cross-platform mobile application to facilitate the tracking of volunteers at mass events such as the Boston Marathon.
- **CareDash** Cambridge, MA
Software Developer Intern May 2017 - Aug 2017
 - Created REST API routes for 3rd party consumption, facilitating the exchange of privileged healthcare provider information.
 - Utilized Apache SOLR to combine in-house and third party data to deliver optimized search results.
 - Designed and implemented a responsive healthcare news portal for integration into Google News.
 - Optimized search engine discoverability of news portal by writing JSON-LD markup.

SELECTED PROJECTS

- **Tone:** Built a React Native app that utilizes a Node.js backend to accept audio, perform sentiment analysis on the speech in the file, and match it to a song with a similar sentiment; got selected to present the app as a **finalist of Polyhack2017**.
- **ANN-Multiclass:** Implemented a fully-connected feed forward backpropagation neural network utilizing popular packages such as scikit-learn to classify numeric data of any sort into multiple classes.

SKILLS

Languages: Python, C/C++, SQL, Javascript, Java, HTML/CSS, SML

Technologies: Git, Django, PostgreSQL, Heroku, Flask, Tensorflow, AWS, React, Photoshop, MongoDB

PERTINENT COURSEWORK

Data Structures, Algorithms, Machine Learning, Computation Theory, Machine Structure and Assembly Language, Web Engineering, Programming Languages, Cybersecurity, Linear Algebra, Calculus (I and II), Statistics

OTHER SKILLS AND INTERESTS

Foreign Languages: Hindi, Bengali.

Leadership: President of the Taekwondo Club.