ADITYA DEOTALE

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Education

Bachelor of Science (BS) Computer Science **Spring 2018**
Ira A. Fulton Schools of Engineering **GPA: 4.00/4.00**
Arizona State University, Tempe, Arizona.

Publications

Lydia Manikonda, Aditya Deotale, Subbarao Kambhampati, *"What's up with Privacy?: User Preferences and Privacy Concerns in Intelligent Personal Assistants "*, AAAI/ACM Conference on Artificial Intelligence, Ethics and Society (AIES) 2018

Professional Experience

Undergraduate Researcher at Artificial Intelligence(YOCHAN) lab at ASU **June 2017 – Present**
· Research includes working with data from social media to analyze people's perception regarding AI using NLP libraries. Applying different Machine Learning models to make decisions based on Data.
· Used different Python libraries like urllib3, Twython, nltk, word2vec and TensorFlow
· Analyzing the impact of Intelligent personal assistants on users' daily life using data from online retailing website and representing the data using d3.js
· Working under the supervision of Dr. Subbarao Kambhampati and PhD student Lydia Manikonda.

Subject Area Tutor, Arizona State University **January 2016 – Present**
· Taught one-on-one as well as large groups of students in various Math, CS and Statistics courses

Projects

Using Machine Learning to Build and Train an Intelligent Car Agent **August 2017 - Present**
· Designing a neural network in Tensor Flow to detect driver distraction
· Collecting data from volunteers using the driver simulator to train the neural network

Travel Agent 007 Video Game **January 2017**
· Created a game where the user makes spontaneous decisions in taking flights to specified destinations based on given scenarios under a time constraint
· Used flight availability and flight price data fetched from Amadeus's public APIs
· UI was built on D3.js and backend was built on node.js

Smart Toilet Project **November 2016**
· Designed an add-on device for toilets that would regulate the flush depending on the use
· Worked with Raspberry pi to get input from IR sensor and output it to servo motors
· User can check the amount of water saved through a mobile application

Coursework and Technical Skills

Technical Skills: *Operating Systems*: Windows, Linux, Mac OS
Programming languages: Java, Python, C/C++, Swift, JavaScript, HTML, Django, Assembly Language, GML, Prolog, Scheme, D3.js, PostgreSQL,

Courses: Intro to AI, Mobile App Development, Human Computer Interaction, Operating Systems, Principles of Programming Languages, Intro to Theoretical Computer Science, Data Structures and Algorithms, Intro to Software Engineering, Computer Org/Assembly Language Programming, Object Oriented Programming, Probability and Statistics for Engineer Problem Solving, Discrete Mathematics, Economic Analysis for Engineers, Game Development