ASUTOSH DHAKAL

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EDUCATION

University of Texas at Austin   Expected May 2020
B.S Computer Science, GPA: 3.9   *Austin, TX*
University Honors (Fall 2016)
Activities: *Texas Convergent, Mobile App Development, Codepath*

EXPERIENCE

Bankrate, inc.   May 2017 - August 2017
Software Engineering Intern   *Austin, TX*
· Incoming intern for the platform and micro services engineering team.

Livestrong Foundation   January 2017 - May 2017
Software Developer Intern   *Austin, TX*
· Used MongoDB and NodeJS to add functionality to the "LivestrongAtTheYMCA" website
· Created a way to allow optimal search results when user's search for local YMCA spots
· Updated web page content using Drupal and HTML/CSS

SKILLS

Programming Languages: Java, Python
Tools/Platforms: iOS, Android, Drupal, HTML, CSS, Node.js, MongoDB, Anaconda
Misc: Git, UNIX/Linux, LTE/4G

PROJECTS

Machine Learning Algorithms   Python
· Scripted optimization algorithms using DEAP and numpy
· Used methods such as gradient descent, hill-climbing, and genetic algorithms

WhereUT? - *HackTX*   Android and iOS
· Building a mobile app that allows users to share events and locations
· Used Google's Firebase for the back-end

Listify - *MusicHacks*   Flask Web App
· Built a web app that allows users to find Spotify playlists on demand by uploading a picture.
· Used Microsoft's Cognitive Services API and Python's Spotipy API.

ANDbinaryOR   Python
· Developed and trained a neural network using supervised training using one hidden layer
· Correctly output the results of any binary AND/OR problem

MarkUp - *HackDFW*   HTML, CSS, JavaScript
· A Google Chrome extension that allows users to automatically add citations and notes from a webpage onto the panel of the extension, later saving it as a txt.file.

RELEVANT COURSEWORK

· Data Structures and Algorithms, Computer Architecture*, Discrete Mathematics, Linear Algebra, Computational Intelligence, Differential and Integral Calculus, Multi-variable Calculus*, Statistics and Probability*
· *Fall 2017