Asu Dhakal

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Education

University of Texas at Austin — Expected December 2019
Bachelors of Science, Computer Science

Experience

Bankrate, Austin, TX — May 2017 - Present
Software Engineering Intern
- Implementing an API service using Spring Boot in an Agile environment
- Deploying containerized applications using Docker and AWS
- Developing front end logic using NodeJS, React/Redux, and Express
- Creating revenue processing systems to analyze and parse through large amounts of transaction data

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

Projects

- Machine Learning Algorithms — scripted various machine learning algorithms using libraries such as TensorFlow, DEAP and implemented gradient-descent, hill-climbing, and genetic algorithms.
- WhereUT? — creating an application that allows users to find other students on campus and schedule hang-outs and social gatherings. Used Google's Firebase and authentication services from Twitter and Facebook.
- Listify — developed a small web app that returns Spotify playlist suggestions based on a user uploaded picture. Used python's Spotipy API and Microsoft's vision API.
- AndBinaryOr — implemented and trained a simple neural network using two hidden layers to correctly output binary operations.
- MarkUp — created a Google Chrome extension that allows users to save notes and MLA citations on a given web page.
- Huffman Compression — built a fully functional compression and decompression user interface.

Activites and Honors

UT Saaya - Competitive Dance Team, *Member* — August 2017 - Present
Mobile App Development, *Member* — August 2016 - Present
University Honors — Fall 2016, Fall 2017

Skills

Programming Languages: Java, Python, *Familiar with:* C
<u>*Tools:*</u> *Familiar with* iOS, React/Redux, Django, Flask, HTML, CSS, Spring Boot

Coursework

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