

Asu Dhakal

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Education	University of Texas — Austin Bachelors of Science, Computer Science	Expected December 2019
Experience	Bankrate , Austin, TX May 2017 - Present <i>Software Engineering Intern</i> <ul style="list-style-type: none">• 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 January 2017 - May 2017 <i>Software Developer Intern</i> <ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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.• PyBucks — creating a visual representation of all Starbucks locations in the world.• Digit Recognizer — used an evolutionary algorithm to optimize hyper parameters in scikit learns method MLPClassifier to improve digit accuracy to 98• YikYakAndroid — developed a Yik Yak clone on Android, using Google Firebase.	
Activites and Honors	UT Saaya - Competitive Dance Team, <i>Member</i> Mobile App Development, <i>Member</i> University Honors	August 2017 - Present August 2016 - Present Fall 2016, Fall 2017
Skills	<u>Programming Languages</u> : Java, Python, <i>Familiar with</i> : C <u>Tools</u> : <i>Familiar with</i> 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	