**EDUCATION**

**Indiana University, Bloomington, IN August 2017 – May 2019**

*Master of Science in Computer Science*

**Coursework:** *Machine Learning, Computer Vision,* Elements ofArtificial Intelligence, Applied Algorithms, Operating Systems, Web Development

**Oriental College of Technology, Bhopal, India August 2010 – June 2014**

*Bachelor of Engineering in Computer Science***Cumulative GPA**: 7.41/10

**EXPERIENCE**

**Tata Consultancy Services, Mumbai, India December 2014 – June 2017**

*Software Developer*

*Project - Real Time Gross Settlement System (RTGS) – India’s central financial payment system.*

* Built a utility that signs a financial message that uses SHA256withRSA algorithm with PKCS12 standard on passing over through Bouncy Castle API.
* Developed software to extract the PKCS7 digital certificate from an encrypted hash message.
* Designed software that connects to SOAP port of WAS to initiate bulk ISO payments.
* Built a script using OpenSSL that generates the PKCS7 digital certificates.

**TECHNICAL SKILLS**

**Languages**: Python, C++, C, PHP

**Web**: JavaScript, NodeJS, JQuery, CSS, Express

**Databases**: SQL, Oracle PL/SQL, MongoDB

**IOT:** Alexa

**Operating Systems**: Windows, Linux, MacOS

**Other**: Git, Jira

**PROJECTS**

**DoubleMap on Alexa June 2018**

Started as a personal project. Modeled DoubleMap application to Alexa using flask-ask. Using Alexa app, we can get the current location, time of the bus that will arrive at a given stop using the API provided.

**Tweet Classifier October 2017**

Implemented using Naïve Bayes classifier and bag-of-word model to estimate where the tweet was sent based on the content of the tweet.

**Shortest Path Finder September 2017**

Developed a model using 4 algorithms simultaneously (A\* search, DFS, BFS, Uniform Cost Search) to find the shortest distance between the data set of 12000 cities of United States.

**Part of Speech Tagging November 2017**

Created a tagger to mark part of speech of every word in a sentence from the text corpus of 1 million words using the implementation of Viterbi Algorithm on hidden Markovs model, as a NLP task

**PUBLICATION**

“Encrypting Data on Cloud using Advanced Encryption Algorithm” published in “International Journal of Research in Computer and Communication Technology (IJRCCT)”, *VOL-4, Issue No.-9, Page No. 727-734, September 2015.*

**CERTIFICATION**

* Neural Networks and Deep Learning from Coursera
* Sequence Models from Coursera