**Rowdy Raider**

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**EDUCATION:**

**Master of Science in Computer Engineering** December 2019

Wright State University, GPA: 3.66/4.0 Dayton, OH

**Bachelor of Technology in Information Technology** May 2011

Anna University, GPA 3.83/4.0 Chennai, India

**RELEVANT COURSEWORK:**

▪ Machine Learning ▪ Information Retrieval ▪ Distributed Computing ▪ Trust Networks ▪ Cloud Computing

▪ Object Oriented Programming and Design ▪ Advanced Computer Networks ▪ Algorithms Design and Analysis

**TECHNICAL SKILLS:**

Programming languages and Framework: Python3, Flask

Tools and Technologies: GitHub, Docker, Kubernetes

Database:MYSQL, MongoDB

Python Libraries: numpy, pandas, scipy, sklearn, matplotlib, scikit

AWS Services: EC2, S3, Lambda, DynamoDB, API Gateway

**PROFESSIONAL EXPERIENCE:**

**Software Developer Intern, In2tive (Remote)** April 2020 - Current

* Explored Kubernetes objects: Deployment, Replica set, Replica Controller, Pod, Service, Network Policy, Ingress Resources.
* Created WordPress and MySQL deployments, exposed it using services.
* Developed understanding of Persistent Volume, Storage Classes.

**Programmer Analyst, Cognizant Technology Solutions, Chennai India** August 2011 – June 2013

* Worked on full stack web application and delivered quality code by applying the best development practices.
* Created project using JSP, Servlets, JNDI, JDBC.
* Utilized Client-Side Design, Development and Validation using JavaScript, CSS, HTML.
* Applied MYSQL connectivity and CRUD operations.
* Implemented SOA architecture with Web Services using RESTful APIs.

**COURSE PROJECTS:**

**Create Web Application using Flask Framework** November 2019

* Created base and child templates using Jinja template to have multiple webpages in the navigation bar.
* Made use of Mongo Engine to connect with Mongo DB. Worked with Flask WTF for form validation.

**Time series forecasting of Chicago Trip Prediction** November 2019

* Implemented time series analysis using ARIMA, RNN to produce possible results for model.
* Used Pandas, Matplotlib and Sklearn libraries in Python.
* Evaluated the model with AIC and BIC evaluation metrics.
* Checked the data stationarity using Dickey Fuller Test.

**Text Mining** Mar 2019

* Selected newsgroup features by using Mutual Information and Chi-square
* Classified datasets using Naïve Bayes, support vector machine, K nearest neighbor and compared using Scikitlearn libraries.
* Clustered data using KMeans and agglomerative clustering based on silhouette score and mutual information score.

**CERTIFICATIONS:**

* Certified Kubernetes Application Developer (Udemy)
* Docker for the Absolute Beginner. (KodeKloud)
* Learning Amazon Web Services Lambda (LinkedIn Learning)