

Anvesh Tummala

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CAREER OBJECTIVE: To solve challenging problems using Machine Learning techniques.

EDUCATION:

Machine Learning Engineer Nano Degree – Advance Level

Udacity Co-created with Kaggle

December 2017

GPA- 4.0/4.0

Master of Science in Computer Science

University of Missouri- Kansas City, Kansas City, MO, USA

December 2015

GPA- 3.97/4.0

Bachelor of Technology – Computer Science and Systems Engineering

Andhra University College of Engineering, Visakhapatnam, Andhra Pradesh, India

May 2013

GPA- 3.80/4.0

PROFESSIONAL EXPERIENCE:

Yourmembership: FullStack Developer

Jan 2016 – till date

- Developed REST API using ServiceStack and consumed with Angular4. Tested with Junit, Jasmine.
- Leveraged Redis Caching, Message Bus architectures (used RedisMQ, AWS SNS services)
- Implemented the payment tokenization for the PaySafe processor.
- Implemented a custom OAuth 2.0 Identity management server, helped customers to securely share their data with third party applications.
- Implemented Facebook and LinkedIn Login, which helped in easy login experience.
- Migration of On-Premises web application environment to AWS cloud, good experience with AWS services like S3, ElasticCache- Redis, ElasticSearch, EC2, CloudFront, EBS, Route53, Lambda.
- Leveraging AWS services and refactoring the Serach server application to use Elastic Search.
- Used CDN solution - CloudFront for serving S3 static files, which reduced network latency.

eGourmet Solutions: Software Intern

June 2015 - Dec 2015

- Implemented Business Analytic Dashboards using Service Oriented Architecture - SOA.
- Developed REST API with Redis Caching, and consumed it using DevExpress tools.

UMKC: Graduate Teaching Assistant

Jan 2015 - May 2015

Prestoo Software Private Limited: Software Developer

Sep 2013 - May 2014

- Designed and Developed a game prototype using Unity 3D that teaches Newton Laws of Motion.

TECHNICAL SKILL SET: Python, Scikit-learn, Pandas, Numpy, OpenCV, Matplotlib, Seaborn, Keras, TensorFlow, Data Visualization, Data Cleaning and Preprocessing, Data Analysis, Angular4, SQL, C#, Redis, RedisMQ, Git, Spark, Big Data, Flask, Algorithms – Dynamic programming.

PERSONAL STRENGTHS: Critical thinking, Time Management, Team Work skills, Loyalty, Learning Ability

HONORS AND AWARDS:

- **Winner of UMKC IBM Hackathon 2015**
- Recipient of UMKC Dean Scholar Ship Award

April 2015

Aug 2014

ACADEMIC PROJECTS:

Recruit Restaurant Visitor Forecasting – Kaggle Competetion

Dec 2017 – Jan 2018

Currently ranked at Top 40 Percent. This project is a combination of clustering and regression problem.

Identifying resembling dog breed for human images – CNN

Dec 2017

Techniques: Transfer Knowledge from ResNet-50, Augmentation, tuning CNN architecture.

Train a Smartcab to Drive –Q-Learning

Nov 2017

Techniques: Reinforcement Learning, Identifying right sates, State space, Optimal policy vs policy learned.

Creating Customer Segments - Clustering

Nov 2017

Techniques: Feature Relevance, removed correlated features, scatter matrix, heat maps, log-transformation for highly skewed data, outlier detection, feature transformation using principal component analysis, Dimensionality Reduction, Visualizing a Biplot, KMeans - Clustering, Cluster Visualization, Data Recovery.

Finding Donors for CharityML - Binary Classification

Oct 2017

Techniques: Data Exploration, Transforming Skewed Continuous Features, Normalizing Numerical Features, Data Preprocessing, Shuffle and Split Data, Initial Model Evaluation, Choosing the Best Model, Model Tuning with Grid Search, Final Model Evaluation, Extracting Feature Importance, Feature Selection.

Predicting Boston Housing Prices - Regression

Aug 2017

Techniques: Learning Curves, Model Complexity Graphs, Grid Search, Cross Validation.

Big Data project Extraction, Analyzing and Visualization of Tweets on Ebola

Aug 2014 – Dec 2014

YouTube - 2nd Winner of Hack Battle-2015 at UMKC

April 2015 (3 Days Hackathon)

Technologies: Java, MongoDB, HTML, CSS, JQuery, Bootstrap, FreeBase API

Architecture Recovery of Apache Giraph (with 100K LOC)

Aug 2015 – Dec 2015

PickMeUp – Airport Pickup Mashup App

Jan 2015 – April 2015

Steganography using Audio Video files

Dec 2012 – May 2013

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