SHUBHAM GONDANE

Cell: 480-278-5069 **linkedin.com/in/shubhamgondane**
Email: sgondane@asu.edu **Github: ShubhamGondane**

OBJECTIVE

To research and build AI systems that are useful, robust, scalable and deployable in the real world.

EDUCATION

- Master of Science in Computer Science **GPA 3.8**
  Arizona State University, Tempe, AZ Fall 2017 - current
- Bachelor of Technology in Computer Engineering **GPA 3.5**
  Vishwakarma Institute of Technology, Pune, India August 2013 - May 2017

TECHNICAL SKILLS

- Programming: Python, SQL, Java, C, Bash.
- Frameworks and tools: Mongo DB, AWS, Google cloud.

RELEVANT COURSEWORK

- Data structures and Algorithms, Multimedia and web databases, Distributed database systems, Semantic web mining, Natural language processing, Data mining, Business Intelligence and Analytics.

EXPERIENCE

CIS Research Aide **02/2019 – current**
Arizona State University

- Deliver Developed models to calculate similarity between posts from reddit subreddits using Tf-Idf, Latent Semantic Indexing (LSI) and Latent Dirichlet Allocation (LDA).
- Currently working on build statistical models to measure creativity among reddit users.

Research Aide at Institute of Social Science Research **07/2018 – 09/2018**
Arizona State University

- Working on a research project to understand what factors affect the career outcomes of an engineering student.
- Implemented python scripts for data collection by crawling web pages. Automated the scraping using Selenium.
- Developed scripts for cleaning, normalizing and filtering the data.
- Developed regression models to work with the ranking data of different engineering schools.

ACADEMIC PROJECTS

Co-reference resolution in Electronic Health Records **02/2018 – 04/2018**

- Designed a model to find co referring concepts in medical reports using natural language processing.
- Designed a workflow to annotate concepts using of the shelf tools and libraries and form concept pairs
- Worked on leveraging feature engineering to extract meaningful features to work with an SVM classifier to identify valid co-referring pairs
- Developed an algorithm for combining the co-referent pairs into a valid co-referring chain.

Geospatial Data Hotspot Analysis **02/2018 – 04/2018**

- Developed a distributed query engine using Hadoop Distributed File System to perform spatial operations - Range, Join, KNN using the spatial RDDs in GeoSpark.
- Worked on processing and analyzing NYC Yellow Taxi data set for identifying top 50 spatial hotspots using the Getis-Ord metric.
- Built a monitoring system to keep track of real time operational details of the cluster like – the CPU load, Network load and the memory usage under different configurations.

Movie Recommender System **08/2017 – 11/2017**

- Developed an application using information retrieval and machine learning to recommend movies to the users.
- Designed models to find similarity between movies using Tf-Idf, probabilistic relevance feedback mechanism and dimensionality reduction models like SVD, PCA along with topic-based models like LDA.

Image recognition as a Service on AWS **02/2018 – 04/2018**

- Developed an elastic application on AWS for image recognition using a deep learning model. Developed a PHP application to handle the end-user interaction.
- Developed java programs to interact and provide cross interaction between different AWS resources like EC2, S3, SQS and CloudWatch to handle the data flow.
- Implemented a load balancing algorithm to automatically scale in and out on demand and in a cost-effective manner. Reduced time overhead by 2 minutes by experimenting with instance metrics.

CERTIFICATIONS

- Deep Learning Specialization on Coursera. 12/2017 - 01/2018