TEJESH REDDY SIGINENI

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EDUCATION AND HONORS

Arizona State University, Graduate College — Tempe, AZ

Masters in Computer Science — Aug 2021 - Present

- Relevant Coursework: Statistical Machine Learning, Data Mining, Foundations of Algorithms

PES Institute of Technology, College of Engineering — Bangalore, IN

Bachelors of Information Science & Engineering — May 2019

- Cumulative GPA: 7.53/10
- Relevant Coursework: Machine Learning, Big Data Systems, Artificial Intelligence, Natural Language Processing

PROFESSIONAL EXPERIENCE

Unbxd — Bangalore, IN

Big Data and Software Engineer — July 2019 - Aug 2021

- Building data pipelines using PySpark and Hadoop on AWS EMR to facilitate data ingestion to power e-commerce search
- Integration of Unbxd search, autosuggest and recommendation libraries to customer e-commerce sites
- Contributing to the development of Unbxd Search/Autosuggest and Recommendation Libraries
- Developing intelligent product recommender systems to rank products based on NLP and statistical approaches
- Resolving issues arising from customers who would have more than one SaaS solution integrated
- Collaborated with the internal teams for developing uptime and scheduler monitoring dashboard and visualization tools

Hindustan Aeronautics Limited — Bangalore, IN

Web Developer and Software Engineer — Jan 2019 - Feb 2019

- Assisted the engineering department to develop a technical snag(mechanical error) consolidation software to avoid manual error while collecting mission-critical information
- Designed and developed webpages for workflow management with an aim to achieve a faster and hassle-free allocation of task

TECHNICAL SKILLS

Programming Languages: Python, Java, C, JavaScript, HTML, CSS

Tools and Packages: Pandas, Numpy, Sciket-learn, Matplotlib, Tensorflow, NLTK, SpaCy, Seaborn, SciPy, Statsmodel, BeautifulSoup, Keras, Missingno, PyTorch, Flask, Django, Caffe

Computer Science and Machine Learning: Data structure, Algorithms, Data Visualization, Predictive Analysis, Statistical Modeling, Clustering and Classification, Data Analytics, Data Mining, SQL, Web Scraping, ML Algorithms, Model Developments, Graphs, Operating System, Distributed Database Systems

PROJECTS

Solr Predictive Feauture Based Relevancy System

Integrated predictive feature-based relevancy system with Apache Solr Search Engine, to rank and display products on descending order of similarity by comparing query feature with the indexed catalogue features.

Data Engineering Pipeline

Developed and maintained real-time data pipelines using Hadoop to wrangle a cumulative unstructured e-commerce data of 10TB for 200+ customers.

Clickbait Detector

Designed to detect clickbaits in various links and articles on pages by using CNN which notifies the user via a chrome extension and helps avoid them. Python, Tensorflow, Keras and Javascript were used to develop this.

Predictive Modeling Using Sports Dataset

Using Kaggle datasets to predict the winner most accurately using machine learning taking into consideration imperative factors in a cricket match.