

Tejesh Reddy Sigineni

tejeshreddy111@gmail.com | [linkedin.com/in/tejeshreddy1](https://www.linkedin.com/in/tejeshreddy1) | github.com/tejeshreddy | (602)-815-2070

EDUCATION

Masters in Computer Science

Aug 2021 - Present

Arizona State University, Tempe, AZ

Bachelors in Information Science and Engineering

May 2019

PES University, Bangalore, KA

TECHNICAL SKILLS

Languages:	Python, JavaScript, C, HTML, CSS
Technologies/Applications:	Scikit-learn, Tensorflow, NLTK, SpaCy, Keras, PyTorch, Seaborn, Matplotlib
Big Data and Cloud Technologies:	AWS, Amazon EMR, and EC2, GCP, Flask, Django, Docker, Kubernetes
Database:	MySQL, PostgreSQL, Google Firebase, MongoDB
Industry Tools:	Git, PyCharm, Visual Studio, Jira, Trello, Google Suite, Notion

PROFESSIONAL EXPERIENCE

Graduate Services Assistant at School of Computing and Augmented Intelligence, ASU

Nov 2021 - Present

- **Technologies used:** Python, Flask, MongoDB, SQLite, Docker, Kubernetes
- Developing a python-based scraper that aims to download 80k firmware images from supported devices manufactured by over 100+ vendors.
- Deployed and managed the containerized application on Kubernetes, along with developing a logging service.

Software Engineer at Unbx, Bangalore, India

July 2019 - Aug 2021

- **Technologies used:** Python, JavaScript, AWS, PySpark, Node.js, Flask, Django, MongoDB, SQLite, Docker, K8s, Argo Built data pipelines using PySpark and Hadoop and deployed on AWS EMR to facilitate data ingestion to power e-commerce search for 200+ customers.
- Integration of Unbx e-commerce search and recommendation JS libraries to customer e-commerce sites. Contributed to the development of intelligent product recommender systems to rank products based on NLP and statistical approaches.
- Collaborated with the internal teams for developing uptime and scheduler monitoring dashboard and visualization tools, which reduced the incident resolution time by 70%.

Software Developer at Hindustan Aeronautics Limited, Bangalore, India

Jan 2019 - Feb 2019

- **Technologies used:** Python, Java, Apache Tomcat, JavaScript, PostgreSQL
- Assisted the engineering department to develop a technical snag (mechanical error) consolidation software to avoid manual error while collecting mission-critical information, which decreased the error rate by almost 98%.

PROJECTS

Personalized Feature-Based Relevancy System (Python, AWS EC2, Flask, Pandas)

Jan 2021 - April 2021

- 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 (Python, Docker, K8s, AWS EMR, AWS EC2, Flask, Argo)

Nov 2019 - Dec 2020

- Developed and maintained real-time cron enabled data systems using Hadoop to wrangle a cumulative unstructured e-commerce monthly data of 10TB.

Clickbait Detector (Keras, NLTK, Python, Flask, TensorFlow, JavaScript)

Jan 2019 - June 2019

- Designed and implemented an easy-to-use Chrome extension to detect clickbait in articles using a convolution neural network (CNN) as the backend. The model has an accuracy of 88% on the validation/test set.

OPEN SOURCE CONTRIBUTIONS

- **FirmAE Scraper:** Contributing to building a fully automated python-based web scraper that downloads firmware images and extracts metadata to help with emulation and security vulnerability analysis on the images.
- **Freqtrade:** A blockchain trading project under the GNU. Took initiative for contributing to the project road map and documenting its workflow.