Tejesh Reddy Sigineni

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SUMMARY

Computer Science graduate student with 2+ years experience working with python and big data.

EDUCATION

Master's in Computer Science **Aug 2021 - Present**
Arizona State University, Tempe, AZ

Bachelor's in Information Science and Engineering **May 2019**
PES University, Bangalore, KA

TECHNICAL SKILLS

Languages:	Python, JavaScript, C, HTML, CSS
Technologies/Applications:	Sciket-learn, Tensorflow, NLTK, SpaCy, Keras, PyTorch
Big Data and Cloud Technologies:	AWS, Amazon EMR, Amazon EC2, GCP, Flask, Django
Database:	MySQL, PostgreSQL, Google Firebase, MongoDB
Visualization Tools:	Seaborn, Matplotlib, Google Dashboard
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
- Developing a web-based scraper that aims to download firmware images and associated metadata from supported device vendor websites.

Software Engineer at **Unbxd**, *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 Unbxd 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 **chron 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.