GANDHARV SURI

Machine Learning | Natural Language Processing | Software Development

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EXPERIENCE

Gloablink Research Intern
University of Lethbridge

🗓 May 2021 – Aug 2021   📍 Remote

- Worked with Prof. Yllias Chali ⌐ on multi-document and single document text summarization and query focused text summarisation.
- Improved upon the existing work for fewshot and zero shot text summarization results.

Data Engineer
MOSIP

🗓 Aug 2021 – Present   📍 Bangalore,India

- Data analytics and reporting. Setup infrastructure to retrieve stream of data and perform and report analysis upon it.
- Tech Stack: Kafka, Spark, Elasticsearch, Kibana, Python, Kubernetes, Helm.

Teaching Assistant
International Institute of Information Technology, Bangalore

🗓 Aug 2020 – July 2021   📍 Bangalore,India

- Teaching assistant to Prof. B.Thangaraju for CS-301 Software Engineering course, covering basics of software engineering and various methodologies in practice.
- Teaching assistant to Prof. Manisha Kulkarni for T2-20-SM 102 / Mathematics - 2 course, covering basics of linear algebra.

EDUCATION / COURSES

Integrated Bachelor and Master of Technology
International Institute of Information Technology, Bangalore

🗓 Aug 2017 – July 2022

CGPA: 3.38/4

Deep Learning Nanodegree
Udacity

🗓 June 2020 – Sept 2020

RELEVANT COURSES

Operating Systems • System Architecture and Design • Data Modeling • DBMS • Software Testing • Wireless Access Networks • Machine learning • Natural Language Processing • Data Visualization • Mathematics for ML • Data Structures and Algorithms

SKILLS

Programming Languages: Python • C/C++ • LaTeX • JAVA
Tools: Jenkins • Kubernetes • Github Actions • Ansible • Helm • ELK
DBMS: MySQL • PostgreSQL • JDBC
Frameworks: Flask • Pytorch • Tensorflow • Pandas • Matplotlib • Nodejs

PROJECTS

Fantasy Football Assistant ⌐
- A complete web application which connects with Premier League Fantasy Football backend and predicts the gameweek score for each player.
- Personalised as it provides the best suggestions for player transfers to maximise the user's points for the coming gameweek.
- Worked on database setup and backend API along with data analytics for score prediction.

Pedagogic Agent
- Working on building an AI based pedagogic agent for efficient learning.
- Question generation and evaluation automation system.
- Text summarization, providing an overview of the content.

Ebook to Docbook ⌐
- Web application for CRUD operations on a DocBook.
- Provides a web interface to work on books/documentations following docbook schema.
- Worked on backend, data persistence and features to provide download in html, xml, and pdf format.

Image Translation ⌐
- Using CycleGAN architecture build generators to translate image of summer to winter and vice-versa.
- Generator: auto-encoder model along with residual network. Discriminator: convolution layers.

Dog Breed Classifier ⌐
- A model to identify the breed of a dog from it's image.
- Transfer learning using 'InceptionV3' model as the base. Trained the classifying fully connected layer keeping convolution weights frozen.

Abstract Generator ⌐
- Built a model to generate the abstract of a research paper given rest of its content.
- Encoder-Decoder architecture built using stacked BiLSTM followed by a attention layer.