Tanmay Pandey

tanmaypandey1998@gmail.com | Kanpur, India

https://tanmaypandey7.github.io/

EDUCATION

HARCOURT BUTLER TECHNICAL UNIVERSITY | B.Tech in Chemical Technology
Kanpur, India

DR. VIRENDRA SWAROOP EDUCATION CENTRE | XII (Senior Secondary, Science)
CBSE Board | Completed May 2015 | Kanpur, India • Percentage 93.6%
Physics: 99, Computer Science: 95, Chemistry: 94, Maths: 85

DR. VIRENDRA SWAROOP EDUCATION CENTRE | X (Secondary)
CBSE Board | Completed May 2013 | Kanpur, India •CGPA: 9.2/10

EXPERIENCE

CRACKADMISISON Data Science Intern
February 2020 - June 2020 | Kanpur, Uttar Pradesh, India
- Building a system from scratch to automatically SOPs for GMAT and GRE.
- Single-handedly managing the entire pipeline from data collection to model deployment.
- Successfully served models using TF-Serving, Flask and AWS.

LEARNOGETHER TECH. PVT. LTD. Data Science Intern
June 2019 - August 2019 | Ghaziabad, Uttar Pradesh, India
- Built crawlers to automate scraping websites using Scrapy and extracted data using the YouTube API.
- Analysed the extracted data to get important insights using TF-IDF, Textrank and Wordcloud.
- Built Frequent Pattern Tree from extracted keywords using Apache Spark.
- Generated Word2Vec embeddings and visualized them on Tensorboard. Worked with extractive and abstractive summarisation.
- Worked with Question Generation from SQuAD using Open-NMT.

OPEN FOOD FACTS Open Source Contributor
January 2019 - April 2019 | Kanpur, India
- Automated extraction of ingredients column from food packets using object detection with MASK-RCNN.
- Automated the detection of nutriscore(food score) of food labels using Faster RCNN.

PROJECTS

WHEAT HEAD DETECTION WITH PYTORCH ⬈ ⌽
August 2020
Detecting Wheat Heads using YOLOv5. After Pseudo Labeling to this model, we were able to get 4th rank on the Public Leaderboard in Kaggle's GWD competition.

AUTOMATIC ESSAY GRADING USING TENSORFLOW ⬈ ⌽
July 2020 - August 2020
Using LSTMs to automatically grade essays. Deployed using TF-Serving, Flask and AWS. This is a simple version of my intern project.

LANE DETECTION IN GTA SAN ANDREAS ⌽
March 2019 - May 2019
Leveraging OpenCV for detecting lanes in Grand Theft Auto San Andreas.

LICENSE PLATE DETECTION ⌽
March 2019 - May 2019
Using Mask-RCNN to detect Indian License Plates