

HARSHIT SETHI

Melbourne

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WORK EXPERIENCE

Cognitive View

December 2019 - Present

Machine Learning Engineer

- Involved in End-to-End Machine Learning development
- Developed deep learning models using state-of-the-art language models and helped improve compliance failure detection by 10%
- Implemented solution to reduce false positives in complaint detection by 50%
- Building ML Pipeline to continuously extract insights from historical complaints data for the past 10 years and running
- Reduced inferencing time of the complete pipeline from 10 minutes to under 30 seconds
- Initiated process to enable data team to move from manual labeling in spreadsheets to automated data labeling
- Collaborated with Product Owners, QA and other teams in an agile environment to design the product features

The University of Melbourne

July 2019 - November 2019

Tutor

Mobile Computing Systems Programming

- Prepared lesson plans/learning modules for tutoring sessions according to students' needs and goals
- Assessed students' progress throughout tutoring sessions

Angel Capital Ventures

June 2017 - July 2017

Web Developer Intern

Athens, Greece

EDUCATION

The University of Melbourne

July 2018 - Present

Master of Science (Computer Science)

WAM: 83.1/100

Galgotias University

July 2013 - June 2017

Bachelor of Technology, Computer Science

CGPA: 8.13/10

PROJECTS

Automatic Fact Verification

Skills: Machine Learning - Natural Language Processing, Chrome Extension Development - Javascript, Flask, MongoDB

- The project aimed to automatically fact check a given sentence and retrieve evidence from Wikipedia
- Spacy and AllenNLP libraries were employed for Named Entity Recognition and Textual Entailment
- The project was completed with 60% accuracy at classifying an evidence as supportive or refuting to the stated fact

Social media analysis to explore the seven deadly sins

Skills: Cloud Development, Ansible, MongoDB, Docker, Data Analytics

- Carried out social media analysis using cloud technologies to explore seven deadly sins
- The activities were executed on University of Melbourne cloud system - NeCTAR Research Cloud
- The conclusion derived from twitter data on the sins was then cross checked from AURIN's official data

Who Tweeted That? - Authorship Attribution

Skills: Machine Learning - Natural Language Processing

- We analysed various machine learning classification models to single out authors for the collected Twitter data set
- Various models were considered, such as Naive Bayes, SVM, Random Forest and Transformer based classifiers and how and why they performed under given situation was reported
- The project was completed with 29% accuracy

UniSocial

Skills: Android

- An android application developed for University students to share photos and meet new people around campus
- Students can upload photos of specific location and share views or tips about a place for other students

CERTIFICATION

CodeChef

May 2018

Data Structures and Algorithms Foundation Exam

NexStar Entrepreneurship Program

August 2019 - September 2019

Melbourne, Australia

VOLUNTEERING

AIESEC University of Nottingham,
Ningbo, China

January 2015 - February 2015

Victoria State Emergency Services

February 2019 - September 2019

Melbourne, Australia

TECHNICAL STRENGTHS

Skills

Python, Machine Learning, Natural Language Processing

Software & Tools

Linux, Scikit-Learn, Spacy, Docker, MongoDB,