

Nickil Maveli

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Education

- 2020 – 2021 **M.Sc. by Research, Informatics**, The University of Edinburgh, Scotland, United Kingdom.
Research Unit: Institute for Language, Cognition and Computation (ILCC)
Research Area: Unsupervised Parsing, Knowledge Graph Completion
Advisor: Prof. Shay Cohen
- 2011 – 2015 **B.E. in Electronics and Communication**, CMR Institute of Technology, Bangalore, India.
GPA – 7.58/10

Work Experience

- May 2018 – Sept. 2020 **Senior Software Developer - NLP**, Niki.ai, Bangalore, India.
Parse Classification, FAQ Bot, Code Mixing, Discovery Platform, Real-Time Pause Detection
- Sept. 2016 – Feb. 2018 **Data Scientist - Research and Development**, Sociograph Solutions, Bangalore, India.
Time-Series Forecasting, Churn Prediction, Opportunity Analysis, Image Recommendation Engine
- Feb. 2016 – May 2016 **Junior Data Scientist**, Hotify.ai, Bangalore, India.
Trending Hashtags Estimation, Tweet Pattern Tracker

Internships

- Aug. 2021 – Oct. 2021 **Research Assistant**, Usher Institute (University of Edinburgh) and Institute of Health Informatics (UCL), Edinburgh, UK.
Clinical Natural Language Processing for Automated Medical Coding
- May 2021 – Aug. 2021 **Student Developer**, Google Summer of Code (GSOC), Remote.
Co-speech Gestures, Identify Joint Meaning Construal Patterns

Selected Publications

- Preprint Co-training an Unsupervised Constituency Parser with Weak Supervision [PDF]
Nickil Maveli, Shay Cohen
ACL 2022 (under review)
- WNUT@EMNLP 2020 EdinburghNLP at WNUT-2020 Task 2: Leveraging Transformers with Generalized Augmentation for Identifying Informativeness in COVID-19 Tweets [PDF]
Nickil Maveli
Proceedings of the 2020 EMNLP Workshop W-NUT

Technical Skills

- Specialties Natural Language Processing, Machine Learning, Deep Learning, Reinforcement Learning, Recommender Systems, Time-series Forecasting
- Languages Python, R, Matlab, Javascript, SQL, HTML/CSS, L^AT_EX
- Tools and Frameworks Pandas, NumPy, SciPy, Matplotlib, Scikit-Learn, NLTK, Keras, PyTorch, TensorFlow, PySpark, Flask, Django, Docker, Kubernetes, AWS, Jira, Git, Elastic Stack, MongoDB

Key Achievements

- 2020 Secured Top 2% in the Jigsaw Multilingual Toxic Comment Classification Challenge hosted on Kaggle; Won a silver medal. [Details]
- 2019 Finished 2nd out of 479 competitors in the Quality Forecasting in Cement Manufacturing Challenge hosted on CrowdAnalytix; Won \$2,500 as prize money; Winner representing India. [Details]

- 2019 Secured Top 3% in the Quora Insincere Questions Classification Challenge hosted on Kaggle; Won a silver medal. [\[Details\]](#)
- 2018 Finished 2nd out of 750 competitors in the Predicting How Points End in Tennis Challenge hosted on CrowdAnalytix; Won \$2500 as prize money; [Featured in Tennis Australia's official press release.](#) [\[Details\]](#) [\[Media Coverage\]](#)
- 2017 Placed 3rd out of 2975 competitors in the Click Prediction Challenge hosted on AnalyticsVidhya; Awarded a cash prize of ₹25000. [\[Details\]](#)
- 2016 – present Among Top Stack Overflow Users for tags — Python, Pandas, NumPy, Matplotlib with an overall 25000+ reputation score and more than 4 million post views worldwide. [\[Details\]](#)

Academic Services

Reviewer

- 2021 AmericasNLP
2020 W-NUT@EMNLP (Shared Task 2), Scipy (Tutorials, Talk & Poster Presentations)

Volunteer

- 2021 ACL, ICML, NAACL, ICLR, EACL (Social events)
2020 EMNLP (Lead Zoom)