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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

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## 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

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## 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

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## 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*

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## 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,  $\text{\LaTeX}$
- Tools and Frameworks Pandas, NumPy, SciPy, Matplotlib, Scikit-Learn, NLTK, Keras, PyTorch, TensorFlow, PySpark, Flask, Django, Docker, Kubernetes, AWS, Jira, Git, Elastic Stack, MongoDB

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## Key Achievements

- 2020 Secured Top 2% in the Jigsaw Multilingual Toxic Comment Classification Challenge hosted on Kaggle; Won a silver medal. [Details]
- 2019 Finished 2<sup>nd</sup> 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 2<sup>nd</sup> 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 3<sup>rd</sup> 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](#)]

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## 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)