

Shakeel Ahmad Sheikh

Web: <https://shakeel608.github.io/>
Email: shakeel-ahmad.sheikh@loria.fr

Research Interests:

Artificial Intelligence, Natural Language Processing, Deep Learning, Visual Speech Processing, Mathematics

Education:

- **2019-2022: PhD**, NLP, *INRIA-LORIA, Université de Lorraine*, Nancy, France.
 - **Thesis: Identifying disfluency in speakers with stuttering, and its rehabilitation, using Deep Learning**
 - **2017-2019: MS**, Informatics, CGPA: 3.67/4, Rank 1, *Istanbul University*, Turkey.
 - **Thesis:** Intelligent Clustering of Authentic Religious Texts based on Contextual Similarity Using Deep Learning
 - **2018-2019: M1**, Informatics, *Grenoble Alpes University*, France.
 - **Project:** Neural Machine Translation in Low Resource Settings Using pre-trained Contextual Embeddings
 - **2011-2015: B.Tech**, Computer Science Engineering, CGPA: 83.48/100, Rank 1, **Gold Medalist**, *University of Kashmir*, India
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Deep Learning & NLP Summer Schools:

- **Aug-2020: Oxford Machine Learning Summer School 2020** [OxML2020](#) Organised by AI for Global Goals and in partnership with Oxford Saïd Business School, Oxford Deep Medicine Program, and Canada CIFAR
 - **July-2020: Lisbon Machine Learning Summer School 2020**, [LxML2020](#)
Organized jointly by IST, the Instituto de Telecomunicacoes, the Instituto de Engenharia de Sistemas e Computadores, Investigacao e Desenvolvimento em Lisboa (INESC-ID), Unbabel, Priberam Labs and Cleverly
 - **Jan-2021: Advanced Language Processing School 2021** [ALPS2021](#)
Organized by LIG (Univ. Grenoble Alpes) and Naver Labs Europe
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Online Courses:

- **Apr-2020:** Natural Language Processing in TensorFlow by deeplearning.ai on Coursera, [Certificate](#)
 - **Apr-2020:** Deep Neural Networks with PyTorch with IBM on Coursera [with IBM on Coursera](#), [Certificate](#)
 - **Sep-2019:** Convolutional Neural Networks in TensorFlow, deeplearning.ai [Certificate](#)
 - **Aug-2019:** Introduction to TensorFlow for AI, ML, and DL, deeplearning.ai [Certificate](#)
 - **Oct-2018:** Machine Learning by Stanford University on Coursera, [Certificate](#)
 - **Sep-2018:** Neural Networks and Deep Learning by deeplearning.ai on Coursera, [Certificate](#)
 - **Aug-2017:** A Crash Course in Data Science by Johns Hopkins University [Certificate](#)
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Work Experience:

- **Jan-2019-Jun-2019:** Internship, [Getalp group of Laboratoire d'Informatique de Grenoble \(LIG\)](#), Neural Machine Translation in Low Resource Settings Using Pre-Trained Contextual Embeddings
 - **2015-2016:** Database cum QAC Engineer, [BQE Software Inc.](#)
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Projects:

- Robotics and IoT: Balloon Detection and Obstacle Avoidance in C++ & ROS.
 - Human Computer Interaction Project: Hotel for Pets.
 - Regalia Database Design and Schema in ORACLE
 - Chat Application in JAVA.
 - NachOS Operating System Design in C & C++.
 - Babble: Thread Server in C.
 - Virtual Memory Allocator in C
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Professional Skills:

- **Programming:** C, C++, JAVA, MYSQL, **Python**, TCL, HTML, UML, FORTRAN
 - **Tools:** **PyTorch**, **TensorFlow**, Git, MATLAB, OCTAVE, NUMPY, KERAS, PANDAS, SCIPY, SCKIT-LEARN, NLTK, OPENNMT, OPENMP, OPENMPI, ROS(BASICS)
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Honours and Awards:

- ANR Scholarship for Phd Research, Universite de Lorraine
 - University Scholarship for PhD, China University of Petroleum (East China).
 - Nomination for Chinese Government Scholarship
 - Nomination for Korean Government Scholarship
 - Turkey Burslari Scholarship Winner
 - Qualified Nationwide Gate in Computer Science
 - **Gold Medalist**, 1st Rank, Highest Percentage in B.Tech CSE *University of Kashmir, Srinagar, India*
 - 1st Rank, High School, Sheikh ul Aalam Memorial School, Srinagar, India
 - Achieved 2nd Rank in Mathematics in HSC (Kashmir State)
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Scientific Reports and Papers:

- **Shakeel A. Sheikh**, Md Sahidullah, Fabrice Hirsch, Slim Ouni. **Introducing ECAPA-TDNN and Wav2Vec2.0 Embeddings to Stuttering Detection.** *submitted to INTERSPEECH, 2022.*
- **Shakeel A. Sheikh**, Md Sahidullah, Fabrice Hirsch, Slim Ouni. **Robust Stuttering Detection via Multi-task and Adversarial Learning.** *submitted to EUSIPCO, 2022.*
- **Shakeel A. Sheikh**, Md Sahidullah, Fabrice Hirsch, Slim Ouni. **Machine Learning for Stuttering Identification: Review, Challenges & Future Directions.** *Under Review in ACM Computing Surveys, arXiv:2107.04057*
- **Shakeel A. Sheikh**, Md Sahidullah, Fabrice Hirsch, Slim Ouni. **Multi Contextual Stuttering Detection Using Deep Learning .** *working paper.*
- **Shakeel A. Sheikh**, Md Sahidullah, Fabrice Hirsch, Slim Ouni. **StutterNet: Stuttering Detection Using Time Delay Neural Network.** EUSIPCO 2021 – 29th European Signal Processing Conference, Aug 2021, Dublin, Ireland. fhal-03227223
- **S.A.Sheikh**, L. Besacier. *Neural Machine Translation in Low Resource Settings Using Pre-Trained Contextual Embeddings*, LIG, Grenoble, France

References:

1. Slim Ouni, [web](#), email: slim.ouni@loria.fr
2. Md Sahidullah, [web](#), email: md.sahidullah@inria.fr
3. Dawood A. Khan, [web](#), email: dawood.khan@uok.edu.in
4. Ajaz Ahmad Bhat, [web](#), email: ajaz706@gmail.com