

Koustava Goswami

Apt-2, Weatherly Lodge, Old Seamus Quirke Road
Galway, H91PX73
Ireland

+353 8994343305

✉ koustava.goswami@insight-centre.org

Curriculum Vitae

Education

- 2019- Present Structured Ph.D. in Computer Science.
Insight Centre for Data Analytics, Data Science Institute, National University of Ireland, Galway (Ireland),
GPA - 1.1/1.1
- 2018-2019 MSc in Computer Science.
National University of Ireland, Galway (Ireland)
GPA - 7.89 / 10
- 2009-2013 Btech in Computer Science and Engineering.
West Bengal University of Technology, India
GPA - 8.31 / 10

Publications

- EMNLP 21' Cross-lingual Sentence Embedding using Multi-Task Learning
Goswami, K., Dutta, S., Assem, H., Fransen, T., McCrae, J.P.
- COLING 20' Unsupervised Deep Language and Dialect Identification for Short Texts
Goswami, K., Sarkar, R., Chakravarthi, B.R., Fransen, T., McCrae, J.P.
- COLING 20' Suggest me a movie for tonight: Leveraging Knowledge Graphs for Conversational Recommendation
Sarkar, R., **Goswami, K.**, Arcan, M., McCrae, J.P.
- SemEval 20' ULD@ NUIG at SemEval-2020 Task 9: Generative Morphemes with an Attention Model for Sentiment Analysis in Code-Mixed Text
Goswami, K., Rani P., Chakravarthi B.R., Theodorou F., McCrae, J.P.
- TRAC, LREC 20' A Comparative Study of Different State-of-the-Art Hate Speech Detection Methods in Hindi-English Code-Mixed Data
Rani P., Suryawanshi S., **Goswami, K.**, Chakravarthi B.R., Theodorou F., McCrae, J.P.

Research Experience

- 09/2019- Present **Unsupervised Deep Neural Models for Under-Resourced and Minority Languages (CAR-DAMOM Project)**
Data Science Institute, NUI Galway, Ireland
EU Funded project where building towards large scale datasets for Under-Resourced Languages and building applications based on deep learning algorithms and frameworks.
- 11/2018- 08/2019 **Decision Making for Autonomous Car Driving using Deep Reinforcement Learning (DRL)**
Department of Computer Science and Engineering, National University of Ireland, Galway
Built a Deep Q Learning model to enhance relational RNN model in Autonomous Car Driving. Thesis.

Work Experience

- 06/2020- 10/2020 **Research Intern PhD,**
AIOPS Lab Huawei Ireland Research Centre, Dublin (Ireland)
o Unsupervised domain specific cross-lingual language models

- 05/2021- **Research Intern PhD,**
 8/2021 **AIOPS Lab Huawei Ireland Research Centre, Dublin (Ireland)**
 ○ Unsupervised adaptation of documents for low resourced languages
- 07/2017- **Senior Data Scientist,**
 08/2018 **Tata Consultancy Services Limited, Kolkata (India)**
 ○ Used Logistic Regression model, SVM model to do polarity detection on client business data. achieving an accuracy of 83.2%.
 ○ Implemented two layers neural network to do sentiment analysis on user comments for client's User Service Product.
- 07/2016- **Data Architect,**
 08/2017 **Diligenta, Peterborough (United Kingdom)**
 ○ Solely worked as onsite counterpart to understand the business requirement.
 ○ Designed 3 layer data-warehouse system based on Hadoop framework for daily streaming data.
- 01/2016- **Junior Data Analyst,**
 07/2016 **Tata Consultancy Services Limited, Kolkata (India)**
 ○ Worked as lead developer to design classification models using SVM and logistic regression algorithms. Also deployed the models in production.
- 03/2014- **System Engineer,**
 01/2016 **Tata Consultancy Services Limited, Kolkata (India)**
 ○ Was involved to build a website for an insurance company to take feedback from customers about their services. using java-7.
- 06/2010- **Open Source Developer,**
 Present **Open Source Community**
 ○ Built question answer forum with the help of python django.
 ○ Building for a student discussion forum using python.

Professional Service

2019-Pres. Reviewer for WWW 20', CIKM 20', ACL 21', LREC '20

Scholarships and Prizes

- 2017 Got the LIREL Honor Award, best team award during my TCS working times.
- 2019 Scored 90 percent above marks in Machine Learning/Deep Learning and Natural Language Processing course in MSc. In Computer Science (Data Science).
- 2009 Ranked in the top 2 percentile among 200,000 students in the State Joint Entrance Exam
- 2007 Received award as a district rank holder in the secondary board examination.

Skills

Prog. Lang. Java, Java8, python, Oracle Database and warehouse logic, sql, R
 Tools Informatica, SAP BI Reporting tool, Tableau, ggplot2
 Frameworks Pytorch, Tensorflow, Keras