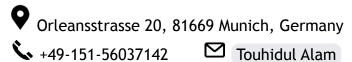
Touhidul Alam



Work Experience

11.2020 - Present Al Engineering Senior Analyst, Accenture, Munich

- Conversational AI standardization
- Data repository PoV
- Time-series data analysis and visualization
- Anomaly detection on unsupervised log data

06.2019 - 08.2020 Research Assistant, Fraunhofer IIS, Erlangen

- Deep learning, Transfer learning, Information extraction
- Master Thesis: A Domain-Adaptive Temporal Tagger for Voice Assistants.

06.2017 - 11.2018 Student Assistant, Smart Digital GmbH, Gerlingen

- Implemented a real-time anomaly detection system with time-series data (Python)
- Worked on an in-house data management system (C#, SQL server)

03.2016 - 03.2017 Backend Developer, **Panacea Live Limited**, Dhaka, Bangladesh

- Developed Panacea Web system (PHP Laravel, Angular.js)
- Developed a Facebook Messenger Chatbot for Panacea system

Education

04.2017 - 03.2020 M.Sc. in Computational Linguistics, Institute of Natural Language Processing, University of Stuttgart, Stuttgart

- Courses included: Deep Learning for Speech and Language Processing, Information Retrieval and Text Mining, Machine Learning for NLP, Statistical Machine Translation, Semantic Web, Data Engineering
- Grade Average: 1.7

11.2011 - 12.2015 B.Sc. in Computer Science and Engineering, Islamic University of Technology (IUT), Dhaka, Bangladesh

- Courses included: Al and Expert Systems, Machine Learning, Algorithms, Data Structures, Graph Theory, Bioinformatics
- CGPA: 3.65 on the scale of 4.00

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Skills & Competencies

Languages English (Fluent), German (Beginner), Bengali (Native)

Programming Languages Python (Advanced), C# (Basic), Javascript (Basic)

Other Skills SQL, Unix system, Git, Cloud services, AWS

Projects

- A Dependency Parser Implementation, **Statistical Dependency Parsing:** Transition-based Arc-Eager parser with Averaged perceptron. (Python)
- Dialogue Act Classification Using Neural Network, **Deep Learning for Speech and Language Processing:** classification from speech and text with an ensemble model. (Python, Keras)
- Document Level Emotion Detection in Tweets, **Computational Linguistics Team Laboratory:** emotion detection from tweets and twitter images using various classifiers. (Python)

Publications

- Touhidul Alam, Alessandra Zarcone and Sebastian Padó. 2021. "New Domain, Major Effort? How Much Data is Necessary to Adapt a Temporal Tagger To the Voice Assistant Domain." In: Proceedings of IWCS. (pdf)
- Alessandra Zarcone, Touhidul Alam, and Zahra Kolagar. 2020. "Pate: A corpus of temporal expressions for the in-car voice assistant domain." In Proceedings of The 12th Language Resources and Evaluation Conference (LREC). (pdf)

Online Certifications

• AWS Certified Cloud Practitioner (Amazon)

Scholarship

- Received an Organization of Islamic Cooperation (OIC) Scholarship in Bachelor studies
- Received a merit scholarship in Secondary School Certificate (SSC)

Extracurricular Activities

- Former treasurer of the Bangladesh Student Association (BSA), Stuttgart
- Former organizer and volunteer at the IUT National ICT Fest

Interest Traveling, cooking, playing board games

References

Prof. Dr. Sebastian Padó
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Linguistics, Institute for Natural Language
Processing (IMS), University of Stuttgart
Email: sebastian.pado@ims.uni-stuttgart.de

Dr. Alessandra Zarcone Component Lead Data Acquisition and Management, Fraunhofer IIS Email: alessandra.zarcone@iis.fraunhofer.de

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