Abhijith Mundanad Narayanan

My Website | mailme@abhimundanad.com | LinkedIn

Seven+ years of experience in Data Science | Naturalized Belgian Citizen | Gent, Belgium

EDUCATION

PhD: Electrical Engineering KU Leuven, Belgium
ML and AI: regression, feature-based and DNNs in (biomedical) signal processing. *Dec. 2016 – Sep. 2021*

Master of Engineering in Signal Processing Indian Institute of Science, Bengaluru
Specialization in audio data processing, speech data processing and classification. *Aug. 2012 – Jul. 2014*

B.Tech in Electronics and Communication Engineering University of Kerala
Specialization in electronics and communication. *Aug. 2005 – Jul. 2009*

EXPERIENCE

Data Scientist Feb, 2023 – Present (2+ yrs)
Toqua | Decarbonizing the shipping industry through AI and machine learning. *Gent, Belgium*
- Ownership of full life cycle of customer projects.
- Developing and maintaining robust data ingestion pipelines for customer data.
- Set the foundations of a customer data health monitoring and alerting system.
- Validating business cases using Toqua Ship Kernels with active customer feedback.
- **Tools:** *python, Azure ML, Azure cloud services, linux*

Data Scientist Oct, 21 – Dec, 22 (1 yr)
Indigo Diabetes | World's first implantable Continuous Metabolite Measurement (CMM) sensor. *Gent, Belgium*
- Implemented a sensor device health monitoring system for the manufacturing team.
- Developed metrics to evaluate sensor data quality for the photonics team.
- **Tools:** *python, Dash/Plotly, Django*

Doctoral Researcher Oct, 17 – Sep, 21 (4 yrs)
KU Leuven | Biomedical data processing research group in the world's most innovative university *Leuven, Belgium*
- Developed data processing, analysis and machine learning techniques on biomedical data, with a specific focus on electroencephalography (EEG) data.

Signal Processing Engineer Jul. '14 – Sep. '16 (2 yrs)
Qualcomm | World's largest fabless semiconductor company. *Bengaluru, India*
- Software development of residential gateways through upgrading in echo canceller system.
- Contributed towards the development of world's first Gigabit DSL chip of Qualcomm.

ACCOLADES

- 1st Place: Neureka Seizure Challenge 2020, the world-wide seizure detection challenge organized by Novela Neurotech and Temple University.
- Best Paper Award: IEEE SPMB 2020, for the paper titled "Epileptic Seizure Detection in EEG via Fusion of Multi-View Attention-Gated U-Net Deep Neural Networks".

PUBLICATIONS

- 4 articles in peer-reviewed international journals. 4 articles in international conferences. Please checkout my Google Scholar profile.

TECHNICAL SKILLS

Languages: Python, MATLAB
Frameworks/Tools: Azure ML, MLflow, Bokeh, Dash (Plotly)
Developer Tools: Git, Docker, Bash/linux, Microsoft Azure