



Istiyak H. Siddiquee

RA @ UniKlinikum, Magdeburg, DE.

- 2 July, 1992
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Tech Skills

- MachineLearning
- DeepLearning
- NLP
- XAI
- Fairness
- LaTex
- Spark
- PyTorch
- Tensorflow
- MLOPs
- MLFlow
- KubeFlow
- Docker
- Kubernetes
- Terraform
- Ansible
- GCP
- aws
- DigitalOcean
- Helm
- istio
- Java
- Python
- NodeJS
- Golang
- Spring
- Jasper
- Hibernate
- django
- flask
- gin-gonic
- NestJS
- Angular
- TypeScript
- MongoDB
- PostgreSQL
- MySQL
- TSQL
- Git
- GitLab
- maven
- gradle
- Jenkins
- Vagrant
- Bash
- UnitTesting
- JUnit
- TestNG
- Jasmine
- Mocha
- SonarQube

Professional Certifications

- GCP: Architecting with Google Compute Engine | Coursera Specialization
- AWS: Ultimate AWS Certified Developer Associate 2021 | Udemy course on AWS

Professional Experiences

- Jan '21 – Present **Wissenschaftliche Mitarbeiter** Universitätsklinikum Magdeburg
In charge of building and maintaining a MEAN stack server, related to a PhD study.
- Dec '20 **Python Developer** ReSale GmbH
Built a high performant, memory efficient, multi-threaded framework for web scrapers, completely in Python
- Nov '17 – April '18 **DevOps/Full-Stack Developer** Orion Informatics Ltd.
Developed and maintained web server in Typescript, Angular, Java, MSSQLServer, etc. Developed a CI pipeline with Docker, Groovy, TestNG, SonarQube, and Jenkins pipeline as code.
- Nov '14 – Nov '17 **Back-End Developer** BizMotion Ltd.
Designed, developed, maintained a business automation software in Java Spring, with Hibernate, PostgreSQL, etc.

Recent Academic Projects

- April '21 – Present **Evolution of Weekly Avg. Sentiment due to COVID** |
A seminar project to understand the changing nature of sentiment due to COVID-19
- April '21 – Present **NL2SQL and Table Summarization**
Scientific team project on natural language to SQL and table summarization
- April '21 – Present **Automating the deployment in GCP**
A team project for automating the deployment to GCP using Terraform, Ansible, Docker
- May '21 – June '21 **COVID and Avocado - An ML project in GCP** |
A course project for understanding the usage of GCP in the field of ML
- Dec '20 – July '21 **Fair Recommendation in Research** |
Scientific team project to investigate the fairness issues of recommendations engines.
- Aug '20 – March '21 **Medical Image Registration using Deep Learning**
Scientific team project MRI image registration using DL.
- June '20 – Aug '20 **Genre Detection of Gutenberg Corpus** |
Genre detection using linguistic features of the highly imbalanced dataset of 19th century fictional literature.

Publications

- May '21 **Abstract - A Comparative Study of Deep Learning Based Deformable Image Registration Techniques** |
ISMRM 2021
- June '21 **Book Contribution - Advances in Streamflow Forecasting — from Traditional to Modern Approaches** |
Elsevier Limited, Oxford, UK.

Educational Background

- Oct '19 – Present **M.Sc. in Data and Knowledge Engineering**
Otto-von-Guericke University of Magdeburg, Deutschland.
Running CGPA - 1.7
- Feb '10 – Nov '14 **B.Sc. (Eng.) in Computer Science and Engineering**
Shahjalal University of Science and Technology
Sylhet, Bangladesh
CGPA - 3.22