Mehmet Ali Akyol

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EDUCATION

Middle East Technical University — *Ph.D.*

SEPTEMBER 2017 - PRESENT

Department of Information Systems

Middle East Technical University — *M.Sc.*

SEPTEMBER 2014 - SEPTEMBER 2017

Department of Information Systems

University of Essex — *Summer School*

JULY 2017 - AUGUST 2017

Took courses on Big Data and Analytics

Bilkent University — *B.Sc.*

AUGUST 2008 - JUNE 2013

Department of Electrical and Electronics Engineering

EXPERIENCE

Thundra — *Growth Engineer*

AUGUST 2020 - Currently working

- Worked on product analytics and created dashboards to visualize product usage metrics via funnels and cohort analysis.
- Created integrations between the core product and product analytics tools building microservices using AWS Lambda, Serverless framework, and Node.js.

Startup Buffer — Founder/*Software Developer*

June 2016 - Currently maintaining on the side

- Developed a web directory for emerging startups along with the iOS and Android applications using PHP, MySQL, AngularJS, Ionic, and Codeigniter. Featured 10,000+ startups across the world.

INTERESTS

Data Science
Big Data
Machine Learning
Cloud Computing
Project Management

SKILLS / TOOLS

#Python #R #SQL #Java
#Scala #Keras #Hadoop
#Flink #Spark #Kafka
#Node.js #PHP #Codeigniter
#MySQL #MongoDB

AWARDS

Honorable mention in D4R Big Data Challenge aiming social good for refugees in Turkey among 60+ finalist research groups around the globe including the ones from MIT Media Lab, Imperial College London, and Nokia Bell Labs, 2019.

First place in the StartupBus Europe Hackathon among 6 buses, 40 projects around Europe, 2014.

Full scholarship from Bilkent University, 2008–2013

Middle East Technical University — *Research Assistant*

DECEMBER 2014 - AUGUST 2020

- Conducted research on cloud computing, big data, data mining, and machine learning. Worked as a teaching assistant for courses like Cloud Computing, Data Mining, and Data Science.
- Developed projects on distributed computing using Apache Flink and Apache Kafka in addition to machine learning models such as clustering based on Self Organizing Maps, image classification models and segmentation models using Keras and Python.

Aselsan — *Systems Design Engineer*

JANUARY 2013 - SEPTEMBER 2014

- Worked on the design of radio networks and maintenance of related software for various government agencies.

SELECTED ACADEMIC PAPERS

- Kılıç, Ö. O., **Akyol, M. A.**, Işık, O., Kılıç, B. G., ... & Taşkaya-Temizel, T. (2019). The use of big mobile data to gain multilayered insights for Syrian refugee crisis. In Guide to Mobile Data Analytics in Refugee Scenarios (pp. 347-379). Springer, Cham.
- Gökalp, M. O., Kayabay, K., **Akyol, M. A.**, Koçyiğit, A., & Eren, P. E. (2018). Big data in mHealth. In Current and Emerging mHealth Technologies (pp. 241-256). Springer, Cham.
- **Akyol, M. A**., Gökalp, M. O., ..., & Koçyiğit, A. (2017, September). A Context Aware Notification Architecture Based on Distributed Focused Crawling. In *European, Mediterranean, and Middle Eastern Conference on Information Systems* (pp. 29-39). Springer, Cham.
- Gokalp, M. O., Kayabay, K., **Akyol, M. A.**, Eren, P. E., & Koçyiğit, A. (2016, December). Big Data for Industry 4.0: A Conceptual Framework. In *Computational Science and Computational Intelligence (CSCI), 2016 International Conference on* (pp. 431-434). IEEE.

VOLUNTEER WORK

Web Summit

NOVEMBER 2015, IRELAND

Worked as a volunteer and participated at one of the biggest technology events in the world, having more than 42,000 attendees.

Ampion

SEPTEMBER 2015, MOROCCO

Participated in a social entrepreneurship hackathon to increase awareness of entrepreneurship in Africa. Worked on a platform for connecting donors to the right NGOs.

Ranked in top 222 in Nationwide University Entrance Exam (OSS) among 1.5 million students in Turkey, 2008.

LANGUAGES

Turkish / Native
English / Advanced
German / Basic