

Polla Fattah

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Education:

2012-2017: PhD at School of Computer Science, Nottingham University Thesis title "*Behaviour Classification for Temporal Data with Limited Readings*".

2010-2010: IT Administration at Technical University of Berlin.

2006-2008: MSc degree of ICT at Salahaddin University-Erbil. Dissertation Title "*Design and Implementation of a Proposed Technique for Association Rule Mining*".

2000-2004: BSc in Software Engineering, Salahaddin University-Erbil.

1996-2000: Graduated from Kurdistan High School, Erbil.

Teaching Experience:

- **Advanced Database systems:** Software Engineering Dept., Salahaddin University.
- **Computer Vision:** MSc. Computer Engineering, Kurdistan University Hawler.
- **Linux OS:** IT Department, Ishik University.
- **Data Modelling and Optimisation** (as assistant): School of Computer Science. The University of Nottingham.
- **Database Systems:** School of Computer Science. The University of Nottingham (as assistant) and at the Software Engineering Dept., the Salahaddin University-Erbil (as lecturer).
- **Algorithms and Data Structures:** Software Eng. Dept., Salahaddin Uni.
- **Procedural Programming, using C++:** Electrical Engineering Dept., Salahaddin University-Erbil.
- **OOP using Java:** Software Engineering Dept., Salahaddin University-Erbil.
- **Operating Systems:** Software Engineering, Engineering Faculty, University of Koya and Computer Engineering Department, Engineering College, Ishik University
- **Web Technologies:** Software Engineering Dept., the Salahaddin University-Erbil and Software Engineering, Engineering Faculty, University of Koya.

Previous Jobs:

2009 – Now: Assistant Lecturer at the Salahaddin University-Erbil.

2017 – Now: Visiting Lecturer at Ishik University.

2017 – 2018: Visiting lecturer at Kurdistan University Hawler.

2012 – 2017: PhD Student at the School of Computer Science, University of Nottingham

2011 – 2012: Linux Administrator at 7netlayers WiMax Operator.

2008 – 2010: Contract Lecturer at Koya University.

2007 – 2008: IT Manager at Sefintel Company.

2006 – 2007: Software Engineer at Awrosoft Company.

2004 –2005: Engineer at the College of Engineering, Salahaddin University-Erbil.

Honours and Awards:

2012: KRG's Twanasazi scholarship award for pursuing PhD.

2012: Appreciation Certificate from Salahaddin University-Erbil for excellence at administrating the university's conference's website at 2012.

2010: German's ZiiK grant for finishing IT Administration at TU Berlin.

2006: Uppsala University Scholarship for MSc degree.

2005: Ranked as second in the College of Engineering Salahaddin University for the graduation year 2004-2005.

Publications:

Rashid T., Fattah P., Awla D., 2018. Using Accuracy Measure for Improving the Training of LSTM with Metaheuristic Algorithms. Cyber Physical Systems and Deep Learning Chicago, Illinois.

Mohammed A., Rashid T., Mustafa A., Fattah P., Ismael B., 2018. Improving Kurdish Web Mining through Tree Data Structure and Porter's Stemmer Algorithms. UKH Journal of Science and Engineering, 2(1), 48-54.

- Fattah, P., Aickelin, U., and Wagner, C., 2017. Measuring Behavioural Change of Players in Public Goods Game. In Lecture Notes in Networks and Systems (Vol. 15).
- Fattah, P., Aickelin, U., Wagner, C., 2016. Optimising Rule-Based Classification in Temporal Data. Zanco J. Pure Appl. Sci. 28, 135-146.
- Fattah, P., Aickelin, U., Wagner, C., 2016. Optimising Rule-Based Classification in Temporal Data. In: 1st International Conference on Engineering and Innovative Technology. Salahaddin University-Erbil, Erbil, Kurdistan.
- Fattah, P., Aickelin, U., Wagner, C., 2016. Measuring Player's Behaviour Change over Time in Public Goods Game. In: SAI Intelligent Systems. London, UK, pp. 637-643.
- Fatah, P., Hamarash, I., 2015. Optimization of association rule mining A twostep breakdown variation of Apriori algorithm. In: Internet Technologies and Applications (ITA), 2015. IEEE, pp. 275-280.
- Fattah, P., Aickelin, U., Wagner, C., 2014. Measuring Change of Human Behaviour in Public Good Experiment. In: Kurdistan Students Conference - 2014. Nottingham (Poster).
- Fattah, P., Aickelin, U., Wagner, C., 2013. Clustering Human Behaviour in Public Good Experiments. In: IMA 2013. Nottingham.

Technical Experiences:

- Data Mining using R, Weka and Python.
- Machine learning and Artificial Intelligence.
- Database Systems using MySQL, Oracle and SQL Server.
- Android Mobile Application using Java.
- Web Based Applications for distributed systems and/or central databases for enterprise solutions using different technology stacks and frameworks like GWT, Node, Laravel, and Vue.
- Certified Linux Administrator with using virtualization.
- Programming Language C++, Java, VB, PHP, JavaScript, Python, Bash script.

Languages:

English: Very well established specially for academia.

Kurdish: Native Language!

Arabic: Very good understanding, speaking, reading and writing.

Turkmen: Can speak the language fluently.

Sample Technical Projects:

Jul 2016: Creating framework to compare different general search methods for solving Dots-and-Boxes game.

Apr 2016: Create an animated fish tank using OpenGL.

Dec 2015: Implement an MP3 player for Android.

Oct 2014: Design and Implement Salahaddin University-Erbil website.

Jun 2014: Design and implement a novel algorithm to classify items behaviour over time.

Dec 2013: Design and implement an algorithm to measure change of items behaviour over time.

May 2012: Design a donation website for testing idea of “software encourages charity acts” at the Salahaddin University-Erbil.

Sep 2011: Design, implement and administrate Salahaddin university’s fourth conference website.

Oct 2010: Web interface for Linux commands by using GWT.

Apr 2010: Web based application for managing clinics using GWT.

Feb 2009: Design and implement “Kurdistan Chemists Syndicate” Website.

Aug 2008: Design and implement “Projects Follow Up” Database.

Jun 2008: Design and implement SRS Consortium Website.

May 2008: Design of Shaqlawa Hotel System Database.

Apr 2007: Design and implement Ministry of Higher Education's Website.

Jan 2007: Design and implement Ministry of Culture's Website.

Nov 2006: Design and implement Selling Centre web application for Korek Telecom.

May 2006: Design and Implement a simulation for Reed-Solomon channel coding.

Jun 2005: Design and implement an Electronic Magazine.

Jul-2004: Design and Implement Chat Application as a Final year project in the Software Engineering Department.

Jun 2002: Design of a traditional Kurdish game by using VB.

May 2003: Design and implement localised search engine using Java.