



# AMNA ALTAF

## PROFILE

As a PhD student specializing in supply chain and operational research, I bring a unique blend of academic rigor and industry experience to my work. With 10 years of experience in the IT industry, I am dedicated to using my expertise to bridge the gap between academia and industry. I am committed to making a significant impact in the world of supply chain and operational research and look forward to continuing to do so throughout my career.

## CONTACT

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EMAIL: Aaltaf.ms23@gmail.com

## TECHNICAL SKILLS

Computer Science & Data Structures

Languages (python, java, asp.net, C++)

Machine Learning & AI Algorithms

## SOFT SKILLS

Interpersonal & Communication Skills

Upward Management

Technical Writing

Document Management

Graphic Designing

## RESEARCH SOFTWARE

LateX

End Note

## EDUCATION

### University of Artois, France | 2022 – Present

- Phd in Industrial Engineering
- Thesis: New Optimization Techniques in Cross-docking

### National University of Science and Technology, Pakistan | 2019

- Masters in Software Engineering | 3.7 / 4.0 GPA
- Thesis: Artificial Intelligence & Deep Learning

### University of Engineering & Technology, Pakistan | 2012

- Bachelors in Software Engineering | 3.6/4.0 GPA
- Project: Android and Web-based Development

### Punjab University, Pakistan | 2008

- Bachelors of Science with Role of Honors
- Major Courses: Pure & Applied Mathematics and Physics

## RESEARCH EXPERIENCE

### Email Classification using Deep Learning Algorithm

- Implementation of Deep Learning Algorithms (MLP, CNN, LSTM/RNN)
- Experience with: Tensor Flow, Keras, Panda, Scikit-learn
- 1 Research paper published in IEEE Conference

### Unleashing the Potential of Unmanned Aerial System (UAS) in Oil Sector

- Worked as RA on the international collaboration between University of Jeddah, Saudia and COMSATS university Pakistan
- Analysis of usage of UAS in infrastructure monitoring & Fault analysis of Oil& Gas sectors internationally
- 1 Research paper under review in international impact factor journal

## WORK EXPERIENCE

### Assistant Engineer (System/ Software) | 2017–Present

#### Oil and Gas Development Company Ltd. Pakistan

#### ERP CONSULTANT (ORACLE – FINANCIALS & INVENTORY)

- Report development, training and technical support to end users

### SAP IMPLEMENTATION PROJECT

- Preparation of major documents for the project including Working paper, Approval letters, RFP, TOR, Technical evaluation reports, Presentations etc.
- SAP Implementation project training and documentation coordinator with Siemens team. Technical analyst for requirement mapping of HR Processes in SAP's HCM and Successfactor module

## PUBLICATIONS

- Altaf, Amna, et al. "Applications of Artificial Intelligence in Cross Docking: A Systematic Literature Review." Journal of Computer Information Systems (2022): 1–21.
- F.Khan, A.Altaf "Android Personal Digital Life Software Agent" IEEE- SOFA 2012 Szeged, Hungary
- A Altaf, A Mehmood and M Khan, "Email organization through deep learning algorithm", 14th IEEE International conference on open source systems and technologies (ICOSST 2020)
- N. Hanif, M Khan, S Javid, B Abbas, A Altaf, "Spam Filtering with Fuzzy Categorization in Intelligent Email Responder", International Journal of Scientific and Engineering Research Volume 10, Issue 2, February 2019 (ISSN 2229–5518).
- Adeel Mehmood , Amna Altaf, Jamshed Iqbal, Khalid Munawar, Ali Yahya Alzahrani and Anas Mohammad Saud Al Hashmi "Applications of Unmanned Aerial Systems (UASs) in oil and gas industry: an overview "Remote Sensing (2020) (Submitted).

## REFERENCES

### PROFESSIONAL REFERENCES

Mr. Kamran Yusuf Shami | CIO, Oil & Gas Dev Company Ltd.  
Email: kamran.shami@ogdcl.com

Mr. Ahmed Jalal | EVP HR, Pakistan Telcom Company Ltd.  
Email: Ahmed.jalal@ptcl.net.pk

### ACADEMIC REFERENCES

Dr. Adnen Elamraoui | Associate Professor, University of Artois  
Email: elamraoui.adnen@gmail.com

Brig. Dr. Mukarram Khan | Professor, National University of Science & Technology  
Email: mukaram.khan@mcs.nust.edu.pk

## IT INTERNSHIP COORDINATOR

- Managing a group of over 50 Interns every year through OGDCL CSR and other yearly and monthly internship Initiative.
- Conducting orientation, training and mentoring sessions for interns.

## SOFTWARE PROCUREMENT & IMPLEMENTATION

- Part of procurement committee and technical evaluation team for software procurement like Enterprise Content Management solutions, Technical Support contract and SAP implementation related requirements.

## TRAINING

- Requirement gathering, design and execution of training for HR employees on MS Outlook and MS Powerpoint basic and advanced features.

## Assistant Manager | 2012 - 2016

**Pakistan Telecommunication Company Ltd. Pakistan**

## DATA MANAGEMENT

- Data Management of 11 Training Centers' data across Pakistan on SAP LMS Module and report generation on monthly, quarter and annual and project basis for Etisalat and PTCL.
- Data Management and reporting on Functional Competencies of all Employees and developed and executed competency based training interventions for IT department.

## ERP CONSULTANT (SCM-MM)

- SAP SCM- MM backend issues' support and resolving operational queries.

## TRAINER

- Deliver trainings on IT-based interventions like Advanced MS Office, Data Analysis and Professional Networking etc.

## TECHNICAL SUPPORT

- Technical Support for training registrations, online training platforms and training execution.
- Branding support for major events including backdrops, standees and image and video artwork designing.

## TRAININGS & SEMINARS

- Convolutional Neural Network by Coursera
- Harvard Manage Mentor
- Big Data Handling by Professor Murtaza Haider
- Disruptive Innovation by March Zawacki
- 3G -Opportunities & Threats by Peter Lange
- The 8th Habit-Leadership: Great People.Great Team.Great Results
- Business Excellence through Creativity & Innovation by Sunil Gupta
- Disruptive Technology Trends by Mr. Jason Pontin Editor-in-Chief 'MIT Technology Review'
- Uplifting Service Culture by Ron Kaufman
- Have attended and delivered over 50 Soft skills trainings
- Have delivered 50 sessions on technical software-based training