

PERSONAL INFORMATION

Saeed A. S. Shurrab



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Date of birth 24 January 1991 | Nationality Palestinian

WORK EXPERIENCE

November 2019 – June 2021

Data scientist

Cambridge Engineering Consultants
Amman, Jordan

- In charge of climate change modelling project via deep learning approaches.
- Responsible for the project data management life-cycle.
- responsible for the project models development, testing and evaluation.

Business or sector Local consultation company

September 2014 – June 2016

Teaching assistant

Islamic University of Gaza
Gaza, Palestine

- Development of teaching materials, visual aids, answer keys and extra notes that support the educational process and enhance students understanding.
- Evaluation and grading of examinations, assignments, and projects.
- Leading of discussion sections, tutorials, and laboratory sections.
- Scheduling and maintaining of regular office hours to meet with students for further questions.

Business or sector Educational institution

October 2014 – February 2019

Production and quality manager

El Helou Est. Co. Ltd
Gaza, Palestine

- Planning and organisation of production schedules.
- Ensuring that health and safety Precautions are achieved.
- Determination of quality control standards.
- Supervision of production processes.
- Organisation of the routine maintenance of production equipment.
- Coordination between production and sales departments.
- Supervision and training of junior production employees.

Business or sector Local industrial company

EDUCATION AND TRAINING

2019–present

Master of Science in Data Science

Computer and Information Systems dept., Jordan University of Science and Technology, Jordan
DAAD Scholarship awardee. CGPA: 4.26 out of 4.30

- Data Science Essentials
- Statistics for Data Science
- Data Analytic
- Big Data Management
- Deep Learning Principles
- Research Methods
- Medical Images Processing
- Selection, Development and Implementation of Health Information Systems
- Data Exploration and visualization

2009–2014 **Bachelor of Science in Industrial Engineering**

Faculty of Engineering, Islamic University of Gaza, Palestine

- Operation Research
- Projects Management
- Engineering Economy
- Discrete Events Simulation
- Design Engineering Experiments

PUBLICATIONS & PROJECTS

- Master's Thesis** - Retina's Disorders Classification and Severity Grading via Optical Coherence Tomography Images and Self Supervised Learning Approaches | (Under progress)
- Journal papers** - Effect of Missing Data Treatment Methods on the Predictive Accuracy of C4.5 Classifier | (Paper link)
- Cancer in Five Countries of the Eastern Mediterranean Region: Epidemiological Trends and Risk Implications (accepted in Nigerian Journal of Clinical Practice)
- Conference papers** - Tool Wear Prediction in Computer Numerical Control Milling Operations via Machine Learning | (Paper link)
- Attitudes evaluation toward COVID-19 pandemic in the US: an Application of Sentiment Analysis and Latent Dirichlet Allocation | (Paper link) | (code)
- Preprints** - Self-supervised learning methods and applications in medical imaging: A survey (Paper link)
- Under review papers** - Retina Disorders Classification via OCT Scan: A Comparative Study between Self-supervised Learning and Transfer Learning (submitted to Arab International Journal of Information Technology)
- Self-supervised learning methods and applications in medical imaging: A survey (Submitted to Computerized Medical Imaging and Graphics)
- Unpublished papers** - Supply Chain Evaluation Using Big Data Analytics (not submitted yet)
- Neural Arabic Non-word Spelling Correction: An application of Sequence-to-Sequence Model (Under progress)
- Open-source projects** - Neural networks basics (github link)
- Docker tutorial (github link)

PERSONAL SKILLS

Mother tongue Arabic

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	C1
IELTS - Academic B2 (6.5) - Expired					

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](https://www.europecouncil.europa.eu/en/common-european-framework-reference-languages/)

- Computer skills**
- Operating system: Linux (Ubuntu)
 - Git and Github
 - Programming language: Python
 - Python packages: Numpy, Pandas, Matplotlib ,SciKitLearn, pytorch, Keras
 - Matlab framework
 - Docker containerization
 - Relational database: MYSQL
 - Web crawling: Scrapy and BeautifulSoup
 - Statistical software: Minitab, Rockwell Arena
 - LaTeX

- Technical Certificates**
- Python Data Structure | (Certificate link)
 - AWS Cloud Technical Essentials | (Certificate link)
 - Neural Networks and Deep Learning | (Certificate link)
 - Structuring Machine Learning Projects | (Certificate link)
 - Improving Deep Neural Networks: Hyper-parameter Tuning, Regularization and Optimization | (Certificate link)
 - Convolutional Neural Networks | (Certificate link)
 - Docker Essentials: A Developer Introduction | (Certificate link)

- Research interests**
- Computer vision
 - Self-Supervised Learning
 - Deep learning in medical imaging

- Communication skills**
- Professional academic writing skills gained through my experience as a student
 - Good listening skills gained through my experience as student.
 - Good written and verbal communication skills gained through my experience as teacher assistant.
 - Good presentation and negotiation skills gained through my experience as production manager.
 - Good Speaking in public skills gained through my experience as Teacher assistant.
 - Good ability to competently prepare work progress and feedback reports gained through my experience as production manager.

- Organisational / managerial skills**
- Able to work on my initiatives or as a team member including planning and performing activities with minimal supervision.
 - Able to plan, schedule, coordinate and manage work activities and resources to meet pre-specified deadlines.
 - Able to learn individually from the online resources
 - Able to motivate and encourage team members to think smartly and perform effectively and collaboratively.
 - Able to lead individuals of different levels.
 - Able to learn humbly from every person.

Digital competences

SELF-ASSESSMENT

Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Independent user	Proficient user	Independent user	Proficient user

[Digital competences - Self-assessment grid](#)

- Other skills**
- Self financial management
 - Self learning

Driving licence Palestinian driving licence - Private

ADDITIONAL INFORMATION

- ANEXES**
- Copy of master Degree Transcript
 - Copy of bachelor degree transcript
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 - Academic experience certificate

- References**
- **Name: Rehab Duwairi** **Email: rehab@just.edu.jo**
 - **Name: Amer Badarneh** **Email: amerb@just.edu.jo**
 - **Name: Hasan Najadat** **Email: najadat@just.edu.jo**

I certify that the statements made by me are true, complete and correct. I also certify that any documents provided in support of my application are authentic and accurate. I understand that any false or misleading statement or withholding relevant information may provide grounds for the withdrawal of any offer of appointment or the termination of application.