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MohammedSunoqrot

ABOUT

I am a researcher with a PhD in medical technology and a background in Biomedical engineering. I have significant experience in developing & managing AI systems, data analysis & management, image analysis, innovation management, commercialization mapping, and navigating regulations for AI-based medical software.

EXPERIENCE

Postdoctoral Researcher

Norwegian University of Science and Technology - NTNU

📅 July 2022 – Present 📍 Trondheim, Norway

- Led and managed the full cycle of an AI product ([PROVIZ](#)).
- Elevated TRL, obtained fund (around 4M NOK), & worked on commercializing an innovative AI system ([PROVIZ](#)).
- Successfully conducted & designed a proof-of-technology, prospective clinical study for AI diagnosis system ([NCT06000046](#)).
- Fully prepared & wrote regulatory documents for software as medical device and obtained approval (REK KULMU A; identifier: 479272).
- Developed AI systems for prostate cancer detection.
- Supervised master students.
- Collaborated on international projects to improve AI diagnosis systems.
- Participated in the REACH incubator program ([Read](#)) and the Forge accelerator program ([Read](#)).

Innovation Project Manager

Norwegian University of Science and Technology - NTNU

📅 Jan 2022 – July 2022 📍 Trondheim, Norway

- Investigated innovation for AI solutions of prostate cancer diagnosis.
- Increased technology readiness levels for an AI for radiology product.
- Landscaped the market & initiated meetings with industry & customers.
- Coordinated with technology transfer office, & industry partners.

Researcher

Norwegian University of Science and Technology - NTNU

📅 Aug 2021 – Jan 2022 📍 Trondheim, Norway

- Developed machine & deep learning methods for MRI image analysis.
- Analyzed, processed, & managed medical images.
- Taught & supervised master students.

Data & Cloud Manager & Coordinator [Part-time]

Norwegian University of Science and Technology - NTNU

📅 May 2018 – Present 📍 Trondheim, Norway

- Managed & organized a number of HUNT cloud labs for CIMORé Group.
- Coordinated labs (compliance, data, privacy, technical, & knowledge).
- Monitored & troubleshooted the labs activities.

EDUCATION

Ph.D. in Medical Technology

NTNU

📅 Mar 2017 – Aug 2021 📍 Trondheim, Norway

Thesis title: Computer-Aided Diagnosis of Prostate Cancer Using Multiparametric MRI.

[Thesis](#)

M.Sc. in Biomedical Engineering

University of Dundee

📅 Jan 2015 – Jan 2016 📍 Dundee, UK

Graduated with a Distinction.

Thesis title: Microultrasound scanning of Oesophageal tissue.

[Thesis](#)

B.Sc. in Biomedical Engineering

German-Jordanian University

📅 Sep 2009 – Jun 2014 📍 Amman, Jordan

Thesis title: Radiation Doses And Risks From Computed Tomography In Jordan.

[Thesis](#)

B.Sc. in Biomedical Engineering

Koblenz University of Applied Sciences

📅 Sept 2012 – Jul 2013 📍 Remagen, Germany

Exchange year.

SKILLS

AI	Data Science	Innovation
Project Management	Healthcare Regulations	
Research	Data Analysis & Management	
Medical Imaging	Presentation	Supervising
Scientific Writing	Proposals Preparing & Writing	
Machine Learning	Deep Learning	Python
Matlab	Docker	GitHub
	Linux	Cloud

PATENT



Patent Co-inventor

Machine & deep learning solutions for radiology. International Application No. PCT/EP2023/061976 (Pending).

- Collected, managed, organized, & secured MR image cohorts.
- Maintained data privacy & security.
- Monitored image quality & data integrity.

Doctoral Researcher

Norwegian University of Science and Technology - NTNU

📅 Mar 2017 – Aug 2021 📍 Trondheim, Norway

- Developed machine & deep learning models for MR image analysis.
- Designed, run, & analyzed experiments on AI for prostate cancer diagnosis.
- Participated & presented in national & international projects & conferences.

Lecturer

Korea-Palestine Centre & Palestine Polytechnic University

📅 Aug 2016 – Dec 2016 📍 Hebron, Palestine

- Taught a course on MATLAB programming & image processing.

Intern

Koblenz University of Applied Sciences (Hochschule Koblenz)

📅 Mar 2013 – Jul 2013 📍 Remagen, Germany

- Investigated optical tracking system at the Medical Robotics Laboratory.
- Designed, run, & analyzed experiments related to robotic laser osteotomy.

Intern

Al-Ahli Hospital, Department of Biomedical Engineering

📅 Aug 2011 – Sep 2011 📍 Hebron, Palestine

- Maintained a variety of medical diagnostic & therapeutic equipment.
- Performed repairs & adjustments to medical equipment.

PROJECTS

Prostate Cancer Visualization by MRI (PROVIZ)

Research Council of Norway/NTNU

📅 2019 – Present 📍 Trondheim, Norway

- Lead the project to apply for a patent.
- Helped joining & coordinating with the Oslo cancer cluster pre-incubator.
- Obtained fund (500 K NOK) from Norwegian Cancer Society.
- Obtained fund (1.5 M NOK) from Digital Life Norway. [Read](#)
- Co-obtained fund (1 M NOK) from NTNU Discovery main. [Read](#)
- Co-obtained fund (500 K NOK) from Research Council of Norway.
- Secured fund (200 K NOK) & coordinated with external collaborators. [Read](#)
- Managed & lead the innovation programme (Fund = 600 K NOK). [Read](#)
- Managed the Product, Data, & Cloud.

AI-based decision support system for detection and localization of prostate cancer


Liaison Committee between the Central Norway RHA and NTNU/NTNU

📅 2022 – Present 📍 Trondheim, Norway

- I am the project leader/Principal Investigator.
- I received 4 million NOK fund.
- Prepared a project proposal & budget.
- Working on developing & improving AI tools.
- Working on testing AI solutions in the clinic.

LANGUAGES


English 

Arabic 

Norwegian 

German 

SCIENTIFIC

More than 12 Journal publications, 25 Conference posters/abstracts, 1 Book chapter, and 6 invited Academic lectures. Supervisor for 3 Master students and 2 Bachelor students. Cristin: 891930  0000-0001-9239-1683

BOARD MEMBERSHIPS

Board member

Det Muslimske Samfunnet i Trondheim

📅 Mar 2022 – Present 📍 Trondheim, Norway

- Helped run a 3,500+ member volunteer organization with 83+ nationalities.
- Organized & run social & educational activities.
- Applied for funding & attended meetings with government, NGOs & dialogue centers.
- Led meetings on events, feedback, and finances.

Board Treasurer & Deputy leader

NTNUI Karate

📅 Nov 2019 – Aug 2021 📍 Trondheim, Norway

- Managed all financial aspects of the NTNUI Karate group, ensuring financial stability & transparency.

MEMBERSHIPS

- International Society for Magnetic Resonance in Medicine (ISMRM).
- Digital Life Norway (DLN).
- Norwegian Society of Graduate Technical and Scientific Professionals (Tekna).
- Jordan Engineers Association.
- Palestine Engineers Association.

REFEREES

Available upon request.