

Sohaib N. Hasan

Curriculum Vitae

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Research Interests

Artificial Intelligence, Data Science, Deep Learning, Machine Learning, Computer Vision, Data Mining.

Professional Summary

Information technology specialist with experience in artificial intelligence and computer vision, Skilled in developing and implementing machine learning algorithms and computer vision applications. Proficient in Python, TensorFlow, and PyTorch. Strong problem-solving and analytical skills..

Education

2017–2019 **Masters of Science, Informatics,** Istanbul University, Istanbul, Turkey.

2010–2014 **Bachelor of Science Studies, Computer Science,** University of Kirkuk, Kirkuk, Iraq GPA – 95.91/100.Rank: 1st.
Specialized in Computer Science

Masters Thesis

Title *Skin lesion segmentation with deep learning techniques*

Supervisors Prof. Dr. Sevinç GÜLSEÇEN & Dr. Murat GEZER

Description This thesis enhanced a model of segmenting the area of skin cancer which is a very important stage of early diagnosing of skin cancer by using a dermoscopy instrument.

Languages

Kurdish (Mothertongue), Arabic, English, Turkish

Work Experience

Vocational

Oct-2019– **LECTURER**, NORTH TECHNICAL INSTITUTION, Kirkuk.

Present Responsible for combining my professional experience and skills to teach a varied and simulating IT curriculum.

Detailed achievements:

- Developed and implemented machine learning algorithms for image recognition and object detection applications.
- Collaborated with cross-functional teams to develop and deploy AI solutions.
- Conducted training sessions and workshops on machine learning and computer vision for internal teams.
- Managed and maintained AI infrastructure and systems.

Miscellaneous

14-Oct-2019– **Manager of Scientific Affairs**, *North Technical Institution*, Kirkuk.
25-Jan-2021

Oct-2021– **Department Rapporteur**, *North Technical Institution*, Kirkuk.
Present

Online Courses

Jan-2018 – **Machine Learning by Stanford University on Coursera**, *Certificate earned on*
Aug-2018 *Saturday, Aug, 26, 2018.*

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Jan-2018 – **Neural Networks and Deep Learning by deeplearning.ai on Coursera**, *Certifi-*
Jul-2018 *cate earned on Saturday, Jul, 8, 2018.*

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Jan-2018 – **Improving Deep Neural Networks Hyperparameter tuning, Regularization**
Aug-2018 **and Optimization by deeplearning.ai on Coursera**, *Certificate earned on Aug,*
25, 2017.

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April-2018 – **Structuring Machine Learning Projects by deeplearning.ai on Coursera**, *Cer-*
Sep-2018 *tificate earned on Sep, 10, 2018.*

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May-2018 – **Convolutional Neural Networks by deeplearning.ai on Coursera**, *Certificate*
Oct-2018 *earned on Oct, 4, 2018.*

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Honours and Awards

2007 1st Rank, Highest Percentage in Technical Institute of Kirkuk, *foundation of technical education, Kirkuk - Iraq*

2014 1st Rank, Highest Percentage in B.Sc. *University of Kirkuk, Kirkuk - Iraq*

2019 Get 3.25/4, Highest Percentage in Ms. *University of Istanbul, Istanbul - Turkey*

2016 Nomination for the BRADFORD university Scholarship

2016 Turkey Burslari Scholarship Winner

Computer Skills

Networking	5 YEARS EXPERIENCE IN NETWORK INSTALLATION AND MAINTENANCE
Programming	C, C++, C#,PHP, MySQL, PYTHON, MATLAB, HTML
Tools	OPENCV OCTAVE, NUMPY, KERAS, PANDAS, SCIPY, SCKIT-LEARN, NLTK, PY-TORCH, TENSORFLOW
OS	LINUX, WINDOWS
Web Development	FRONTEND AND BACKEND DEVELOPMENT USING (ANGULAR AND DJANGO FRAMEWORK)

Conference Papers

Skin Lesion Segmentation by using Deep Learning Techniques, *Published by IEEE in: 2019 Medical Technologies Conference (TIPTEKNO) Izmir, Turkey.*

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Published Papers

Improve a Secure Blind Watermarking Technique For Digital Video, *Published by Periodicals of Engineering and Natural Sciences*, 2022, 10(2), pp. 283–291.

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Accurate Deep Learning Algorithms for Skin Lesion Classification, *Published by Ingénierie des Systèmes d'Information*, 2024, 29(4), pp. 1529-1539.

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