

# Sana Nazari

Girona • +34622450754 • sa96nz@gmail.com • linkedin.com/in/sana-nazari-918431189

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## Computer Vision Researcher

Computer vision researcher with extensive experience developing and implementing cutting-edge deep learning models for medical applications within university and european project research settings. Seeking new challenges and opportunities for professional growth and impactful contributions.

## WORK EXPERIENCE

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### iToBoS project - UdG • Girona, Spain • 07/2021 - Present

European Union's Horizon 2020 research

#### Doctoral Researcher • Full-time

- As the leading team of the project, we focused on design and development of AI solutions for screening and early detection of skin cancer.

### iToBoS Project - fraunhofer heinrich-hertz-institute • Berlin, Germany • 02/2025 - 06/2025

#### Guest Researcher • Full-time

- Developed explainable multi-modal models for skin cancer diagnosis at Fraunhofer HHI, leveraging both image and text description data.

### Fundació Bosch i Gimpera - UB • Barcelona, Spain • 09/2019 - 01/2021

#### Researcher • Full-time

- Conducted research and development on multiple machine learning, computer vision, and AI projects, including image recognition and activity detection systems.
- Designed, modeled, and developed intelligent sports schedule optimization engines using Python, CPLEX, integer programming, and AI/ML methods.

### Devicare • Barcelona, Spain • 01/2019 - 07/2019

#### Developer & Researcher • Part-time

- Developed mobile and web applications to connect a UTI tracking device with a central database, enabling seamless data transfer.
- Developed UTI prediction model by enabling data collection and analysis from the tracking device.

### Dezh Internet Pishro • Tehran, Iran • 10/2017 - 09/2018

#### Junior Researcher • Part-time

- I was working on a project related to students' behavior during academic years.
- Developed and evaluated various data mining models to predict student performance based on behavioral and personal data, identifying the most effective prediction method.

## FIRST AUTHOR PUBLICATIONS

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### Going Smaller: Attention-based models for automated melanoma diagnosis

Computers in Biology and Medicine

## EDUCATION

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### Ph.D. in Research and Technology in Computer vision

University of Girona  
Girona, Spain  
07/2021 - Present

### Master of Internet of Things for E-Health

Autonomous University of Barcelona  
Barcelona, Spain

### Bachelor's Degree in Computer Science

Alzahra University  
Tehran, Iran

## SKILLS

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Python, Pytorch, Tensorflow, PHP, C++, CPLEX, Ionic framework, Mathematical modeling, LaTeX

**Languages:** English, Spanish, Persian

## **Automatic Skin Cancer Detection Using Clinical Images: A Comprehensive Review**

Life

## **Prediction of students' academic performance through data mining methods**

Comprehensive International Conference of Computer, Information Technology and Electrical Engineering