



MASOUD NIKBAKHT

PROFILE

Power electronic and drives Engineer interested in Power converters and Intelligent High efficiency drives approach.

CONTACT

EMAIL:

masoudnikbakht@email.kntu.ac.ir
masoudnikbakht1374@gmail.com

LANGUAGE

English

SOCIAL NETWORK

[linkedin.com/in/masoud-nikbakht-4258a6184/](https://www.linkedin.com/in/masoud-nikbakht-4258a6184/)

EDUCATION

Bachelor of Science

University of Shahrekord, Chaharmahal and Bakhtiari Province

2013 - 2017

Top student in bachelor's degree GPA(18.25).

Thesis title: Load flow in microgrids.

Master of Science

K. N. Toosi University of Technology, Tehran

2017 - present

Field of Study: Power Electronic And Drives

Thesis title: Design and implementation a synchronous reluctance motor drive.

Top student in master's degree GPA(17.92).

WORK EXPERIENCE

Niroom Research Institute , researcher, Tehran Iran

April 2019–Jul 2019

Research about electrical drives for electric bicycles

Esfahan Electricity Power Distribution Company ,Apprenticeship,Esfahan Iran

Feb 2017–Jun 2017

SKILLS

- PCB layout design
- OrCAD Capture
- Semiconductor process systems
- Matlab and Simulink
- Arm and Avr programming
- Design of Power electronic converters and Motor Drives
- Design of Analog circuits

PRACTICAL EXPERIENCES

- Design and construction of a 1.5KW three-phase inverter for electric motor drives

PROJECT UNDERWAY

- Designing a pmsm drive with z-source inverter
- Designing a pmsm drive with matrix inverter