



# Mohammad Afkani

Physics Student



9 December 1996



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## About me

I'm a Physics student interested in laws of the Universe. curiosity made me find answers to questions in the deep nanoworld, the way it affects human being and vice-versa.

## Skills

Verbal communications

English

Infographics

Teaching ability

## Coding

Linux

C

Python

Fortran

LaTeX

HTML JS CSS

## Interests

Condensed Matter Physics, Nano Physics, Computational Physics, Open-source Projects, Linux, Machine Learning.

## Education

|          |  |                      |
|----------|--|----------------------|
| 2014     | Diploma Mathematics and Physics. GPA: 3.89<br>Fully Funded Scholarship | Dehkhoda High School |
| 2015-Now | B.Sc. Solid-State Physics<br>Fully Funded Scholarship                  | Kharazmi University  |

## Publications

|      |  |
|------|--|
| 2018 | Investigation of the structural, electronic and magnetic properties of silicon carbide monolayer coated with manganese using density function theory.(The Annual Physics Conference Of Iran) |
| 2018 | Electronic and optical properties of Penta-BP <sub>5</sub> monolayer.(ICNN)  |

## Activites

|      |   |
|------|---|
| 2016 | Running [open-source] library management system; Faculty of physics |
| 2017 | Multi computers clustering  |
| 2017 | Librarian; Faculty of physics                                       |
| 2018 | Running online education system; Crystallography courses            |
| 2018 | Teaching assistant; Analytical Physics course                       |

## Experience

|      |   |                    |
|------|---|--------------------|
| 2017 | Presentation<br>The first startup weekend in Karaj  | Startup weekend    |
| 2018 | Lecture<br>Ubuntu 18.04 LTS release party   | Faculty of physics |
| 2018 | Workshop<br>2nd Workshop on Machine Learning in physics: Applications in Condensed Matter Physics | Tehran University  |