# Nicki Najafi

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## EDUCATION

**B.Sc. in Computer (Software) Engineering** — Tehran, Iran
*Islamic Azad University* — Sep 2017 - Sep 2021
**World ranking: #47** in Engineering 🔗
**Thesis Topic:** Bitcoin prediction app with Flutter and WebSocket 🔗
**Supervisor: Dr. Seyed Javad Mirabedini**

– GPA of the last two years is **17.95/20 (3.59/4.00)**.

**Pre-University and Diploma of Mathematics and Physics** — Tehran, Iran
Daneshfar High School — Oct 2013 –Jun 2017

– Diploma GPA of **17.90/20**.

– Pre-University GPA of **18.15/20**.

## RESEARCH INTERESTS

- Software Engineering
- Computer Games
- Machine Learning
- Mobile Apps
- Human Computer Interaction
- Data Science and Big Data
- Data Analytic
- Computer Graphics
- Databases
- Data Mining - Web Mining - Text Mining

## SELECTED COURSES

- Software Engineering (19/20)
- Databases Laboratory (20/20)
- Human Computer Interaction (19/20)
- Operating System Laboratory (19/20)
- MATLAB Programming Workshop (20/20)
- Object Oriented System Design (20/20)
- Internet Engineering (19/20)
- Formal Methods in Software Engineering (20/20)

## HONOR & AWARD

- **National Entrance Examination** — Jul 2017
  Ranked within the **top 9%** among more than 130,000 participants in the Iranian University Entrance Exam for Bachelor degree (Konkur)
  I participated in Math and Physics exam

## ACADEMIC PROJECTS

- **TDD discipline with flutter** 🔗
  Supervisor: Dr. Iman Attarzadeh ✉
- **Bitcoin prediction app with Flutter and WebSocket** 🔗
  Supervisor: Dr. Seyed Javad Mirabedini
- **Created a bank database** 🔗
- **Compared top 10 local and global websites from UI/UX aspects** 🔗
- **Developing a website based on HCI course overall gained knowledge** 🔗
- **Image Denoising** 🔗
- **Costs of duct and access point in a particular area** 🔗

## ACADEMIC PRESENTATIONS

- **Image processing in MATLAB** 🔗
- **Designing a communication protocol between sender and receiver using Formal Methods** 🔗
- **Web mining and web usage mining** 🔗
- **Big data, data science and data mining** 🔗
- **Data science methodology** 🔗

## CERTIFICATES

- **Data Analysis with Python From IBM Company** 🔗     Oct 2021, Issued by Coursera
- **Databases and SQL for Data Science From IBM Company** 🔗     Sep 2021, Issued by Coursera
- **Game Design and Development From Michigan State University** 🔗     Aug 2021, Issued by Coursera
- **Tools for Data Science From IBM Company** 🔗     Aug 2021, Issued by Coursera
- **What is Data Science? From IBM Company** 🔗     Aug 2021, Issued by Coursera
- **SQL course** 🔗     Jun 2021, Issued by Sololearn
- **PHP course** 🔗     Apr 2020, Issued by Sololearn
- **jQuery course** 🔗     Apr 2020, Issued by Sololearn
- **HTML course** 🔗     Mar 2020, Issued by Sololearn

## EXPERIENCES

- ***Teaching***

**Teacher Assistant**     Tehran, Iran
*TA of **MATLAB Programming Workshop Course** in Islamic Azad University*     Jan 2021 - Jul 2021

- Solved **final exam sample questions**
  also, recorded mentioned classes (almost **100** reviews) 🔗
- Solved Students **Computational and Programming** problems
- Graded Students' Tasks
- Coordinated classes of almost **100** students
- Defined a work-flow according to their points of view
  and taught them how to code based on it

- ***Vocational***

**Data Analysis with Python**                                                      Tehran, Iran
By participating in IBM course                                                          Oct 2021

- Training models, Visualization and Predicting Targets 🔗

**Flutter Junior Developer**                                                        Tehran, Iran
Position as a junior developer in a private company                            Dec 2020 - Jun 2021

- Bitcoin Prediction app with Flutter and WebSocket 🔗
- Supervisor: Dr. Seyed Javad Mirabedini
- Based on R&D

**Flutter Developer Internship**                                                    Tehran, Iran
Position as an intern developer in Hamvarzeshi company                         Jun 2020 - Dec 2020

- Gym app with Flutter and REST API 🔗

**Front-End Senior Website Developer / UI-UX Designer**                             Tehran, Iran
Senior front-end developer and designer in homa company                        Mar 2020 - May 2020

- Homa bidding Website 🔗

**Front-End Senior Website Developer / IT Woman**                                   Tehran, Iran
Senior front-end developer and designer in Mehraraseir Travel company          Sep 2019 - Feb 2020

- Designer and developer of Visaseven website 🔗
- Designer and developer of Mehraraseir website 🔗
- Working on these websites' SEO
- Creating posts for Instagram

**Front-End Junior Website Developer / Co-Founder**                                 Tehran, Iran
Junior front-end developer and co-founder at Dr.Motori startup                 Jul 2018 - Jul 2019

- Front-end developer at Dr.Motori online shop for motorbikes part 🔗
- Co-founder of Dr.Motori

## SKILLS

**Programming**
**Skilled in:** MATLAB, Python, SQL, Flutter, JavaScript, PHP, jQuery, HTML, CSS, Materialize CSS, Bootstrap, Shell Scripting
**Familiar with:** C++
**Social Skills:** Leadership, Teaching, Responsibility, Critical Thinking, Time Management, Creativity in Problem Solving
**Other Skills:** Linux, SEO, Adobe Photoshop, UML, Git, LaTeX

## LANGUAGES

- **English:** Full professional proficiency                                    *IELTS: To be taken soon*
- **German:** Intermediate Level
- **Persian:** Native proficiency

## Hobbies / Voluntary Work

- Archiving engineering students files at university as they were low on staff
- Gathering money for charity
- Playing PC Video Games
- Playing Soccer
- watercolor painting

## References

- **Dr. Iman Attarzadeh:** Assistant Professor in Department of Computer Engineering at IAUCTB ✉
- **Ramin Rahnamoun** Professor in Department of Computer Engineering at IAUCTB ✉
- **Pezhman Gholamnezhad** Adjunct professor in Department of Computer Engineering at IAUCTB ✉