

Mohammad Hoseinpour

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EDUCATION

- **Babol Noshirvani University of Technology** Babol, Iran
B.Sc. in Electrical Engineering - Communication Systems Sep. 2017 – Sep. 2022

RESEARCH INTERESTS

- Differential Privacy
- Trustworthy Machine Learning
- Natural Language Processing

PUBLICATION

- **A Differentially Private Mechanism for Local Electricity Markets**
Milad Hoseinpour, **Mohammad Hoseinpour**, Mahdi Haghifam, Mahmoud-Reza Haghifam, **IEEE Transactions on Smart Grid**, 2022 (Revised, Under Review).[Link]

RESEARCH EXPERIENCE

- **Babol Noshirvani University of Technology** Apr. 2023 – Present
Advisor: Prof. Ali Aghagolzadeh
Topic: Synthetic Data

PROJECT

- **Privacy-preserving Machine Learning**
B.Sc. Final Project
Supervisor: Prof. Ali Aghagolzadeh
Description: Developing a differentially private logistic regression.[code]

TEACHING

- **Teaching Assistant** at Babol Noshirvani University of Technology Feb. 2022 – Jul. 2022
Course: Statistics and Probability
Instructor: Prof. Javad Kazemitabar

SELECTED COURSES

- Statistics and Probability
- Engineering Mathematics
- Signals and Systems
- Digital signal Processing
- Privacy in Statistics and Machine Learning, taught by Adam Smith and Jonathan Ullman (Online Course)
- Algorithms for Private Data Analysis, taught by Gautam Kamath (Online Course)
- Neural Networks and Deep Learning, taught by Andrew NG (Online Course)
- Linear Algebra, taught by Gilbert Strang and Sarah Hansen (Online Course)

SKILLS

- **Programming Languages:** Python, R, MATLAB, C, SQL
- **Tools:** GIT, \LaTeX

TEST SCORES

- **TOEFL iBT Test Date:** August 26, 2023

INTERNSHIP

- **Telecommunication Company of Iran - TCI** Jul. 2022 – Sep. 2022
Data Center
Supervisor : Prof. Mohammad-Reza Zahabi

PRESENTATIONS

- **Differentially Private Logistic Regression** [Link]
Course: Final Project
Instructor: Prof. Ali Aghagolzadeh
- **Speaker Diarization** [Link]
Course: Digital Signal Processing
Instructor: Prof. Ataollah Ebrahimzadeh
- **Stealth** [Link]
Course: Microwave
Instructor: Prof. Ataollah Ebrahimzadeh
- **Capacitive Sensors** [Link]
Course: Electromagnetic
Instructor: Prof. Seyed Ehsan Hosseinienejad

REFERENCES

- **Prof. Ali Aghagolzadeh**
Professor at Babol Noshirvani University of Technology
Relationship: B.Sc. Project Supervisor
Email: aghagol@nit.ac.ir
- **Prof. Javad Kazemitabar**
Assistant Professor at Babol Noshirvani University of Technology
Relationship: TA in Statistics and Probability
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