Pouria Azadehranjbar

Department of Computer Engineering and Information Technology
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EDUCATION

B.Sc., Computer Engineering   2020 - 2024
Amirkabir University of Technology, Tehran, Iran
Thesis: Enhancing Lung Cancer Detection: A Study on Cloud-Based Model Interpretability, Accountability, and Privacy in Machine Learning with Susceptibility to Adversarial Attacks
Advisor: Prof. Alireza Bagheri
Total Average: 17.25/20 (GPA: 3.72/4)

PROFESSIONAL EXPERIENCE

Internship

Data Scientist Intern   05/2023-current
Tapsi (a ride-hailing company), Tehran, Iran

- Dynamic pricing by deep contextual bandit algorithm
- Detecting fraudulent drivers using HDBSCAN (Hierarchical Density-Based Spatial Clustering of Applications with Noise)

Microservices Developer Intern   05/2022-09/2022
Blackbit, Tehran, Iran

- Implementing a polyglot application-interaction analytic service
- Integrating a microservice into the existing ecosystem and gaining production experience

Teaching Assistant

Amirkabir University of Technology, Department of Computer Engineering

- Software Engineering II   Fall 2023
- Signals and Systems   Spring 2023
- Micro-processor and Assembly   Fall 2022

TECHNICAL SKILLS

Language: Pyhton, Java, C, Node.js, Go
Library/Framework: TensorFlow, Scikit-learn, NumPy, Pandas, Django
Data: MySQL, MongoDB, Hadoop ecosystem, Apache Spark,
Microservice Technology: Docker, Kubernetes, Kafka, gRPC

CERTIFIED COURSES

Supervised Machine Learning: Regression and Classification (DeepLearning.AI, Stanford, Online)

Advanced Learning Algorithms (DeepLearning.AI, Stanford, Online)

Unsupervised Learning, Recommenders, Reinforcement Learning (DeepLearning.AI, Stanford, Online)

REPRESENTATIVE UNIVERSITY COURSES

Computational Intelligence (course project: fuzzy autonomous driving car)

Principles and Applications of Artificial Intelligence (course project: the Pac-Man project)

Robotics (course project: SLAM)

Signals and Systems (course project: digital radio)

Information Retrieval (course project: information retrieval engine)

Algorithm Design (course projects: sort and graph algorithms comparison, the knapsack problem)

Applied Linear Algebra (course projects: linear regression, image compression)

Engineering Statistics

Data Structures and Algorithms

HONORS & AWARD

- Ranked 150 among 150,000 students in Iranian National Universities' Entrance Examination 2020
- Valedictorian at Mandegar Alborz High School   2018 - 2020

LANGUAGE PROFICIENCY

- **Persian**, native
- **English**, fluent
  - **TOEFL –** Overall : **105**
    * Listening: **29**   Reading: **26**   Speaking: **23**   Writing: **27**
  - **GRE –** Overall : **329**
    * Quantitative: **168**   Verbal: **161**   Writing: **3**