S.Ali Seyedalian

CONTACT INFORMATION	Phone: (+98) 9134564115 E-mail: seyedalian@ut.ac.ir Website: www.seyedalian.ir Github: www.github.com/sedaliSedalian

PERSONAL DETAILS

Gender: Male
Birth Place: Iran
Birth Date: 26 November 1996

EDUCATION

University of Tehran, Tehran, Iran   2020 – present
M.Sc. in Software Engineering Thesis: Designing a hypergraph clustering algorithm for analysis of microbiome data

Iran University of Science and Technology (IUST), Tehran, Iran   2015 – 2020
B.Sc. in Computer Engineering Thesis: Designing and Implementation of a System for the Evaluation of BLE in Home Applications

INTERESTS

[Machine/Deep/Reinforcement]-Learning, Data, Social Networks Analysis, Internet of Things, Data Science, Data Engineering, Big Data

PUBLICATIONS

- Nasibeh Heshmati Molaei, Seyed Ali Seyedalian, Alireza Sinaee Oskouie, Eisa Zarepour, "Characterizing The Energy Consumption and Maximum Coverage of 802.15.1 V4.2 for Wearable Home-care Monitoring Systems", 25th International Computer Conference, Computer Society of Iran (CSICC), 2020.

SKILLS

Programming Languages: Python, SQL, Java, R, HTML, CSS, JavaScript, C, C++, Bash (Linux)

Web Frameworks: Django, React, Node.js

Tools: Linux, Git, Keras, PyTorch, Scikit-learn, Numpy, Pandas, Matplotlib, tkinter, psycopg2, Docker, Gephi, NetworkX, Arduino, Latex, Adobe Photoshop/ Illustrator, Cisco, Mikrotik, Kerio Firewall

Database : PostgreSQL, MySQL, MongoDB, SQL Server, SQLite

Industry Knowledge : AI, Back-end, Front-end, IoT, Database, Network

LANGUAGES

- Persian: Native
- English: Fluent
- Arabic: Limited

PROFESSIONAL EXPERIENCE

Semnan Province Telecommunication Co., Semnan, Iran.   Jun 2018 – Sep 2018
Network Administrator Internship

Smart Online Monitoring Co, Tehran, Iran.   Dec 2019 – Sep 2020
Research Assistant and Android Developer

DBRG Lab, UT, Tehran, Iran.   Jan 2022 – present
Research Assistant

FAVORITE COURSES **IUST:**
Advanced Programming (Python)
Algorithm Design
Data Structures
Fundamentals of Database Design
Operating Systems
Artificial Intelligence
Computer Networks
Wireless Networks
Network Security
Internet of Things
Internet Engineering
Probability and Statistics

UT:
Neural Networks and Deep Learning
Advanced Database Systems
Special Topics in Database Systems
Intelligent Information Retrieval
Statistical Inference
Social Networks Analysis
Bio Inspired Computing