May 11, 2022

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 — (Current GPA 3.47/4.0)
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 — (GPA 3.24/4.0)
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

Selected Courses

Statistical Inference:18.9/20
Social Networks Analysis:18.1/20
Neural Networks and Deep Learning:17/20
Bio inspired computing:19.6/20
Fundamentals of Database Design: 18.75/20
Advanced Database Systems:17.78/20
Computer Networks : 17/20
Fundamentals of Wireless Networks:20/20
Theory of Formal Languages and Automata : 19/20
Technical Language: 17.9/20
Digital Electronics : 17.25/20
Computer-Aided Design of Digital Systems (CAD): 19.7/20
Data Communications: 17.5/20