

Ali Abdollahian Noghabi

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EDUCATION

Bachelor of Science in Computer Science
Amirkabir University of Technology (Tehran Polytechnic)

- CGPA: 18.12/20

2020-Ongoing
Tehran, Iran

PROFESSIONAL EXPERIENCE

Datall Startup Co. datall.ai
Mid-Level Software/IoT Engineer

May 2021 - Ongoing

- Developed IoT monitoring system for industrial applications using C++ and Qt framework.
- Implemented back-end solutions with C++, PostgreSQL, Dragon, and Ksandra.
- Created Python server for application updates and a React.js web app for monitoring.
- Deployed systems in industrial environments, proficient in C++, Python, JavaScript.

RESEARCH INTERESTS

- **Internet of things (IoT)**
- **Machine learning**
- **Algorithm**
- **Cryptography**

SKILLS

Programming Languages C/C++, Python, JavaScript, C#, GO, Rust
Tools & Frameworks Qt, Git, SQL, Arduino, NumPy, OpenCV, TensorFlow, Docker, Wordpress

RELATED COURSES

Undergraduate Courses:

- Introduction to Computer (20/20)
- Theory of Computation (20/20)
- Computer Networks (19.5/20)
- Advanced Programming (19.2/20)
- Artificial Intelligence (19.1/20)
- Compiler (19/20)
- Cryptography 1 (18.25/20)
- Design & Analysis of Algorithms (18.5/20)
- Data Structures & Algorithms (18/20)
- Database & Workshop (18/20)
- Data Mining (ongoing)
- Numerical Linear Algebra (ongoing)

Other Courses:

- C# Programming
- Sharif WSS Internet of Things Course

PROJECTS

Online Shop Android Application and Server <i>Java - Spring - Android Studio - Multi Thread</i>	Spring 2021
Artificial Intelligence Course Projects <i>Sudoku CSP - NQueen Genetic - Monopoly Minimax - Diabetes Data Analysis</i>	Spring 2023
Agriculture IoT <i>Real-Time Data Gathering - VOC Gas data set</i> <ul style="list-style-type: none">• JavaScript Dashboard JS - React - HTML - CSS• Python Server Python - sqlite3 - Multi-Client• Arduino board C++ - SGP30 sensor - ESP8266Wifi - Web-Socket	Summer 2023
BMinor Compiler <i>BMinor Programming language compiler - C/C++</i>	Fall 2023
visual-cryptography <i>GO - JavaScript</i>	Fall 2023
face mask detection <i>python - OpenCV - TensorFlow - NumPy - imutils</i>	Fall 2023
face detection <i>python - OpenCV - MediaPipe</i>	Fall 2023
Weather Dataset Analyze using KNN, Decision Tree, SVM <i>Python - Scikit-learn</i>	Spring 2024
CPU Scheduling Simulation <i>Rust - C++</i>	Spring 2024
Website Design Projects <i>JEPCO - Nexan - Dai Day - Datall</i>	Spring 2024

TEACHING EXPERIENCE

Teaching Assistant <i>Razi University</i>	Fall 2022 <i>Basic Programming C/C++</i>
Teaching Assistant <i>Amirkabir University of Technology</i>	Fall 2023 <i>Basic Programming C/C++</i>
Teaching Assistant <i>University of Tehran</i>	Fall 2023 <i>Database & Workshop</i>
Teaching Assistant <i>Amirkabir University of Technology</i>	Fall 2023 <i>Computer Workshop</i>
Head Teaching Assistant <i>Amirkabir University of Technology</i>	Spring 2024 <i>Advanced Programming</i>
Teaching Assistant <i>University of Tehran</i>	Spring 2024 <i>Introduction to Computer & Programming</i>
Teaching Assistant <i>Amirkabir University of Technology</i>	Spring 2024 <i>Database & Workshop</i>
Teaching Assistant <i>Amirkabir University of Technology</i>	Spring 2024 <i>Data Structures & Algorithms</i>