






Somayyeh Poolayi

Front-End developer & university
instructor

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Profile Summary

Dedicated Front-End Developer and University Instructor with a robust blend of technical expertise and educational experience. Proficient in HTML, CSS, JavaScript, React and modern frameworks as Bootstrap and tailwind, I create engaging, user-friendly web applications while fostering a collaborative learning environment. With a strong commitment to mentoring students, I translate complex concepts into actionable insights. My passion for technology and education drives me to stay updated on industry trends, ensuring students and projects benefit from the latest innovations.

Education

- Diploma in Computer** 1995 - 1998
Branch: Software
Institute/School: Hadaf high school
Kerman, Iran
- Associate in Computer** 1998 - 2000
Branch: Software
Institute/University: Hazrat Fateme
Kerman, Iran
- Bachelor of Computer** 2000 - 2003
Branch: Software
Institute/University: Azad Uni.
Mashhad, Razavi Khorasan, Iran
- Master of Computer** 2009 - 2011
Branch: IT
Institute/University: sharif uni. of Technology
Tehran, Iran

Work Experience

• Front-End developer & university instructor

2023 - Present

Private university & high school

Mashhad, Razavi Khorasan, Iran

Tasks and Achievements

- Developed responsive web applications using HTML, CSS, and JavaScript, improving user engagement by 30%.
- Led a team of students in creating a fully functional e-commerce website as part of a capstone project, successfully increasing team collaboration skills.
- Conducted weekly workshops on modern front-end frameworks such as React and Vue.js, enhancing student proficiency in contemporary web development practices.
- Implemented accessibility standards in web projects, resulting in a 25% improvement in usability scores and meeting compliance requirements.
- Published research on the impact of user interface design on user experience, contributing to departmental academic resources and course materials.
- Teaching specialized courses

Skills

HTML5



CSS



JavaScript



React



Bootstrap



Tailwind Css



Typescript



Version Control (Git)



Language

• English

80%

Reading

80%

Speaking

80%

Writing

80%

Listening

Certificates

• Front-End Web Developer Nanodegree

2025

• Teaching Excellence in Higher Education Certificate

2024

- **Cities of the future, intelligence, vigilance**

2021

Publisher: The Second International Conference on Smart Cities, Challenges and Strategies

Link: <https://civilica.com/doc/1345996/>

Technology is critical to enable a City to efficiently and effectively serve the public. In addition, ensuring that people have access to the technology needed to take part in our society is critical to achieving personal growth, full civic participation, and equitable economic development. city services based on IT has undertaken several initiatives to enable more efficient and equitable use of technology in the City and to improve people's quality of life. Smart cities are not the vision of the future, but toward to innovative solutions, many of them are already active or expanding rapidly. City managers use to communicate and improve infrastructure, productivity, comfort and quality of life of residents and visitors. The purpose of this study was to analyze and evaluate the challenges facing people in smart cities around the world. The method of this research in the first place with the help of documentary or library method and review of related information sources in books, articles and information networks, the factors affecting the intelligence of cities and its indicators were identified. Also, using it, first the list of leading cities in the field of urban management based on information and communication technology was considered and then the key effective information was obtained and their evaluation was intelligently developed in the studied dimension and transferred to the next stages.

- **Governance of IoT in order to Move ahead of the calendar & live the future today**

2020

Publisher: Journal of Management and Accounting Studies 8(3):38-42

Link:

https://www.researchgate.net/publication/359354367_Governance_of_IoT_in_order_to_Move_ahead_of_the_calendar_live_the_future_today

The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. The Internet of Things (IoT) world may be exciting, but there are serious technical challenges that need to address, especially by developers. In this handwriting, learn how to meet the security, analytics, and testing requirements for IoT applications. A thing, in the Internet of Things, can be a person with a heart monitor implant, a farm animal with a biochip transponder, an automobile that has built-in sensors to alert the driver when tire pressure is low – or any other natural or man-made object that can be assigned an IP address and provided with the ability to transfer data over a network. IoT has evolved from the convergence of wireless technologies, micro-electromechanical systems (MEMS), micro services and the internet. The convergence has helped tear down the silo walls between operational technologies (OT) and information technology (IT), allowing unstructured machine-generated data to analyze for insights that will drive improvements. The Internet of things (IoT) is the interconnection via the Internet of computing devices embedded in everyday objects, enabling them to send and receive data. If one thing can prevent the Internet of things from transforming the way we live and work, it will be a breakdown in security. Therefore, there are some important challenges in privacy and maintaining security of the Internet of things. In this paper, we are going to list the typical items which can be major challenges facing IoT.

- **Governance of IoT in order to Move ahead of the calendar & live the future today**

2017

Publisher: The Fourth International Conference on Modern Studies in Computer Science and Information Technology

Link: <https://civilica.com/doc/779118/>

The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. The Internet of Things (IoT) world may be exciting, but there are serious technical challenges that need to address, especially by developers. In this handwriting, learn how to meet the security, analytics, and testing requirements for IoT applications. A thing, in the Internet of Things, can be a person with a heart monitor implant, a farm animal with a biochip transponder, an automobile that has built-in sensors to alert the driver when tire pressure is low – or any other natural or man-made object that can be assigned an IP address and provided with the ability to transfer data over a network. IoT has evolved from the convergence of wireless technologies, micro-electromechanical systems (MEMS), micro services and the internet. The convergence has helped tear down the silo walls between operational technologies (OT) and information technology (IT), allowing unstructured machine-generated data to analyze for insights that will drive improvements. The Internet of things (IoT) is the interconnection via the Internet of computing devices embedded in everyday objects, enabling them to send and receive data. If one thing can prevent the Internet of things from transforming the way we live and work, it will be a breakdown in security. Therefore, there are some important challenges in privacy and maintaining security of the Internet of things. In this paper, we are going to list the typical items which can be major challenges facing IoT.

Projects

- **Development of an Interactive Web Application for Student Engagement**

2025

- **Creating a Curriculum for Front-End Development Courses**

2024

Link: <https://quera.org/certificate/CfnqU1gd/>

Social Network



[linkedin.com/in/somayeh-poolayi-86748725](https://www.linkedin.com/in/somayeh-poolayi-86748725)