

Interests

Software Architecture - Web Technologies - API Design - CI/CD Pipelines - Machine Learning - Software Testing

Experience

Industry

2019 - Now **Research Intern**, ERICSSON CANADA INC, Ottawa, Canada.

- Designing and developing an automatic system to identify product failures using log analysis and machine learning techniques with admin panel deployed on Kubernetes cluster using containerd.

2016 - 2018 **Software Developer**, PAYAMPARDAZ CO, Isfahan, Iran.

- Worked on designing and developing a web application for holding secure tenders using multi-party computation. (Django)
- Worked on designing and developing a next-generation firewall. (Django + Angular)

2014 - 2016 **Web Developer**, AZAR-JAM CO, Isfahan, Iran.

- Worked on developing a web-based scheduling application for nurses shifts. (ASP.NET)
- Worked on developing a matrix structure evaluating system for organizational staff. (Django + Angular)

Summer 2013 **Summer Intern**, ISFAHAN MUNICIPALITY, Isfahan, Iran.

Worked on designing, developing and implementing a web application for Tax System of Isfahan's Hotels and Restaurants which deployed in central Municipal of Isfahan. (ASP.NET)

Research

Fall 2018 **Research on CI/CD Test improvement**, CONCORDIA UNIVERSITY.

Reducing the number of test execution in CI pipelines and improving git bisection by choosing the best batch size.

Summer 2011 **Research on Grid Computing**, IUT.

Fundamentals of Grid Computing, middle-wares such as gLite, Globus and Microsoft HPC

Teaching

2018 - 2019 **Teaching Assistant**, *Capstone Software Engineering Design Project*, CONCORDIA UNIVERSITY.

2013 - 2014 **Lab Assistant**, *Database Design, Operating Systems, Software Engineering*, IUT.

2015 & 2018 **Intro to Web Programming**, *Computer Emergency Response Team*, IUT.

Fall 2013 **Intro to Python Programming**, *Scientific Association of Computer Science and IT*, IUT.

Education

2018–2020 **M.Sc. of Computer Science**, CONCORDIA UNIVERSITY, Montreal, Canada.

2010–2014 **B.Sc. of Software Engineering**, ISFAHAN UNIVERSITY OF TECHNOLOGY (IUT), Isfahan, Iran.

Selected Projects

- Founder of offch.com** A marketing and advertising website based in Iran providing discount coupons of online businesses. It has over 10,000 daily users implemented with several layers of caching. (Django + Next.js)
- File Sharing System** A web application which is designed, developed and deployed at IUT to process download requests from students and faculties and give them space to upload and share their files. (Django)

Selected Courses

- Database Design - Operating Systems - Software Engineering - Electronic Commerce - Multimedia Systems - Compilers - Algorithm Design - Artificial Intelligence - Big Data - Data Mining - Advanced Computer Networks

Professional skills

Programming	Python, JavaScript, C/C++, C#, Java
Web & Mobile	Django, ASP.NET, React, Angular, Android
Database	PostgreSQL, MySQL, MSSQL, MongoDB
IDE	PyCharm, WebStorm, Visual Code, Eclipse, Qt Creator
Platform	Linux, Windows, Docker, Kubernetes, AWS
Big Data	Spark, Hadoop, Dask
Tools	Git, Selenium, Siege