Nariman Razavi

nrazav2@lsu.edu

SKILLS

- Programing: Python, R, SAS, SQL, MySQL, Java, C, VB, Shell Script, Perl
- Python: SkLearn, Pandas, NumPy, TensorFlow, OpenCV, Keras, …
- Python GUI: Tkinter, and Test tools: Selenium
- Statistics, Business Analysis, Data Analysis, Machine learning, Deep learning
- Enterprise Architecture, Software engineering, BI (QlikView), ERP, CRM
- Project management, SCRUM, JIRA, LFA (Logical Framework Approach)

PROFESSIONAL EXPERIENCE

IT Applications Manager (Louisiana State University; Jun. 2021-Current)

Research Assistant (Louisiana State University; Aug. 2020-Current)

- Designed and developed map, mission, and path planning tools for navigation planning

Data Scientist (Pennington Biomedical Research Center; 2019-2020)

- Designed and developed dataset and ML pipelines for NHANES (National Health and Nutrition Examination Survey) data analysis projects.

Graduate Research Assistant (Southern University; 2017-2019)

- Built the dataset and developed Image data analytics tools using the Inception-V3 architecture to detect defections in 3D printing process.
- Analyzed Market Basket data.
- Applied pattern recognition techniques to simulate chatbot tools based on NLTK library in python.

Software Engineer (Pars-Tamin Co.; Tehran, 2013-2016)

- Developed enterprise-level data management services and business process automation systems based on service-oriented architecture and "Bonita" open-source platform.
- Developed CRM system using Liferay platform.
- Implemented BI tools using QlikView.
- Developed quality Assurance Automation test using JMeter and Selenium

Enterprise Architect, Software Engineer (Information-Systems Co.; Tehran, 2006-2012)

- Created IT management services tools using ITIL.
- Created statistical and analytical reports by identifying customer needs.

- Developed business IT strategy using SWOT and problem-solving approach.
- Aligned IT and business processes using EFQM model and CobIT framework.
- Employed Zachman framework and EAP methodology to create reference architectures
- Systems analysis and design using Agile RUP methodology and BPMN modeling tools.
- Developed the V-methodology to improve business IT processes and services.

Project Management and Teaching experience

- *15+ years project management and team leading in software and IT industry.*
- *15+ years of experience in Software Development Life Cycle (SDLC)*
- 5+ years Teaching experience as an Instructor and a Teaching Assistant

EDUCATION

- Ph.D. Student, Construction Management, Louisiana State University, Aug. 2020-Current
- M.Sc., Computer Science, Southern University and A&M College, Dec. 2019
- M.Sc., Computer Science, Shiraz University, Shiraz, Iran, Jun. 2005

PUBLICATIONS

- Automated quality and process control for additive manufacturing using deep convolutional neural networks, Recent Progress in Materials 4 (1)
- Calf circumference: cutoff values from the NHANES 1999–2006, The American Journal of Clinical Nutrition, 2021
- Toward enabling a reliable quality monitoring system for additive manufacturing process using deep convolutional neural networks, arXiv preprint arXiv:2003.08749, 2020.
- Smart additive manufacturing empowered by a closed-loop machine learning algorithm, SPIE Smart Structures + Nondestructive Evaluation, Denver, Colorado, USA, 2019.
- Deep learning enables fully automated analysis of microscopy images, 93rd Annual LAS Conference, Baton Rouge, LA, 2019. "*AWARDED Best Graduate Poster Presentation*"
- BPMS standards and technologies comparison of as a software development platform, The Second Conference on Electronic City, Tehran, Iran, 2009.
- Design and develop a virtual university system based on OKI standard architecture, The Second National ICT Conference, Tehran, Iran, 2006.