


Basic information	Full name: Mohammad Reza Afrash Born: 1991 Tel (mobile): +98 9120714055 Language: Persian, English E-mail: M.afrash@sbmu.ac.ir Degree: Assistant Professor		
Education	Medical Informatics	Ph.D.	2017-2022
	Software Engineering	M.Sc.	2015-2017
	Software Engineering	B.Sc.	2011-2015
Ph.D.	Ph.D. degree	Ph.D. In Medical informatics @ Shahid Beheshti University of Medical Sciences, Tehran, Iran	
	Thesis	Design, implementation and evaluation of computerized physician order entry for chemotherapy of patients	
Professions and Scientific Interests	Clinical Decision Support System		
	Tele-Medicine and Mobile health		
	EHR and PHR and Health Information Systems		
	Patient safety		
Approved Research Proposal Information	Predicting the Length of Stay for Poisoned Patients Undergoing Hemodialysis in Intensive Care Units: Utilizing Novel Machine Learning Approaches		
	Investigating the prognosis of poisoned patients who are candidates for dialysis using new machine learning approaches		
	Design and developing the comprehensive geriatric assessment system at the primary level of health care referral system in Iran		
	Design and evaluation of a mobile- based Health application for self-management of patients with chronic disease		
	The role of mobile-based patient education on the quality of bowel preparation for colonoscopy		
	Design and implementation of automatic diagnosis and screening system for Chronic Myeloid Leukemia (CML) by machine learning technologies		
	Design and development of gastric cancer survival prediction system through Intelligent-based methods: Evaluating the performance of basic Vs Ensembles methods		

	Developing and intelligence system for prediction of acute ischemic stroke in patient with covid 19
	Establishing Machine Learning models to predict early risk of Gastric cancer based on Lifestyle Factors
	Design and Evaluation of Computerized Provider Order Entry (CPOE) for Breast Cancer Chemotherapy
	Predicting breast cancer risk based on machine learning techniques: A retrospective data-driven study
	Design and Application of Genetic Algorithm for Optimization of COVID-19 variables for Predicting hospitalized patient's mortality using hybrid Machine Learning Algorithms
	Design and Implementation of Computerized physician order entry (CPOE) Enabled with Clinical Decision Support System (CDSS) for Gastric Cancer Chemotherapy in Baqiyatallah Al-Azam Hospital
	Design and Evaluation of Computerized Provider Order Entry (CPOE) Coupled with Clinical Decision Support System (CDSS) for Breast Cancer Chemotherapy
	development of clinical decision support system for prediction criticality in patient with covid 19
	طراحی و پیاده سازی اپلیکیشن تلفن همراه مبتنی بر یادگیری عمیق در تشخیص انواع لوسمی
Articles (ISI/PubMed and Scopus indexed)	Establishing machine learning models to predict the early risk of gastric cancer based on lifestyle factors
	Prediction of Acute Organophosphate Poisoning Severity Using machine learning techniques
	Design and development of an Intelligent system for predicting the 5-years survival status of gastric cancer patients
	A Machine Learning Model to Predict of Chronic Myelogenous Leukemia With Retrospective Electronic Health Records Data
	Developing the breast cancer risk prediction system using hybrid machine learning algorithms
	Design, Implementation, and Evaluation of Computerized Physician Order Entry for Chemotherapy prescribing in Patients with gastric cancer:
	Impact of Computerized Provider Order Entry on Chemotherapy Medication Errors: A Systematic Review
	Predicting hospital readmission risk in patients with COVID-19: A machine learning approach

	Predicting the risk of mortality in COVID-19 hospitalized patients using hybrid machine learning algorithms
	Machine Learning-Based Clinical Decision Support System for automatic diagnosis of COVID-19 based on the routine blood test
	Predictive modeling of hospital length of stay in COVID-19 patients using machine learning algorithms
	Designing an Intelligent Decision Support System for Early Prediction of Intubation Requirement among COVID-19 Hospitalized Patients
	Design and implementation of a guideline-based workflow software system for improving the chemotherapy process
	Comparison of machine learning tools for the prediction of ICU admission in COVID-19 hospitalized patients
	Design and implementation of an Intelligent Clinical Decision Support System for Diagnosis and Prediction of Chronic Kidney Disease (CKD)
	A comparison of data mining methods for diagnosis and prognosis of heart disease
	Investigation of relation between shift work and biomarkers of metabolic syndrome of workers, a case study at a petrochemical industry
	Optimizing prognostic factors of five-year survival in gastric cancer patients using feature selection techniques with machine learning algorithms: a comparative study
	Development of an Intelligent Clinical Decision Support System (DSS) for the Early Predicting Diabetic Nephropathy
	An Intelligent System for Prediction of Severity of SARS-Cov-2 Infection and Progression to Critical Illness: Using Machine Learning Models
	Designing a Fuzzy Logic Intelligence System for Driver's Health Assessment
	A CLINICAL DECISION SUPPORT SYSTEM FOR PREDICTING HEART DISEASE
	روش های داده کاوی برای سیستم مدیریت سطح علمی دانشجویان و موسسات آموزش عالی
	استفاده از داده کاوی برای ضد پولشویی و کشف تقلب
Programming Skills	C# Programming language Python programming languages C++ Android Programming languages Matlab Programming languages
Presentations	Present in second international and 25th congress in Medical informatics

	<p>Present in second international and 26th congress in Medical informatics</p> <p>First national conference of technology development on electronica, and computer science</p> <p>8th international conference of engineering science and novel ideas</p> <p>3th international conference on knowledge based engineering and innovation</p> <p>First national congress of medical student (2014)</p>
Workshop's	AI in Medical research
	Prognostic Models in Medicine
	AI in Anatomy Education
	AI for management of mothers and child information
Books	برنامه جامع هوشمند سازی دانشگاه‌های علوم پزشکی
	سوابق اجرایی
	قائم مقام کمیته علمی و اجرایی رویداد ملی ایبال تک
	عضو کمیته علمی سمپوزیوم هوش مصنوعی در پزشکی در تاریخ ۸ تا ۹ دیماه سالن همایش های بین المللی دانشگاه علوم پزشکی ایران
	عضو کمیته علمی اولین کنگره بین المللی هوش مصنوعی در علوم پزشکی
	عضو کمیته علمی اولین کنگره بین المللی هوش مصنوعی در علوم پزشکی
	دور های طی شده و گواهینامه ها
	<p>کارگاه داوری مقالات در مجلات Elsevier</p> <p>کارگاه مقاله نویسی</p> <p>کارگاه سیستماتیک ریویو</p> <p>کارگاه SPSS</p> <p>کارگاه پیشرفته SPSS</p> <p>کارگاه زبان انگلیسی اکادمیک</p> <p>کارگاه هوش مصنوعی و داده کاوی</p>
	داوری مجلات معتبر الزویر ، BMJ
	داور رویداد ملی ایبال تک
	داور اولین کنگره بین المللی هوش مصنوعی در علوم پزشکی
	داوری مقالات دومین همایش ملی فناوری اطلاعات و ارتقا سلامت با محوریت سرطان
	داور پنجمین همایش فناوری اطلاعات و ارتقای سلامت با محوریت سلامت از راه دور