



# Amir Mashmool

## Curriculum Vitæ

CONTACT INFORMATION	Department of Informatics, Bioengineering, Robotics and System Engineering , Genova, Italy	Phone: +39 3279029518 E-mail: 5245307@studenti.unige.it Gmail: Mashmol.amir@gmail.com
RESEARCH PROFILE LINKS	<a href="#">Google Scholar</a> , <a href="#">Researchgate</a> , <a href="#">Scopus</a> , <a href="#">Orcid</a> , <a href="#">Publons</a> , <a href="#">Academia</a> , <a href="#">Mendeley</a> , <a href="#">Linkedin</a> , <a href="#">Github</a> , <a href="#">Twitter</a>	
RESEARCH INTERESTS	◇ Software Engineering , Empirical Software Engineering ◇ Human Aspects Of SE, DevOps, Microservices ◇ Artificial Intelligence, Machine Learning, Deep Learning	
EDUCATION	◇ <b>University of Genova</b> , Genova, Liguria, Italy M.Sc. in Computer Science (Data Science and Engineering) Current GPA: 95/110 without thesis grade. Final GPA in Italy: GPA+thesis grade(10) Sep2021-Present ◇ <b>University of Birjand</b> , Birjand, South Khorasan Province, Iran B.Sc. in Computer Engineering (Software Engineering) Sep2016-July2021 Overall GPA:15.23/20, GPA (last two semesters):17.24/20 Thesis title: A Statistical Model to Assess the Team's Productivity in Agile Software Teams Thesis Grade: 20/20. Thesis Supervisor: <a href="#">Samiyeh Khosravi</a> ◇ <b>Imam Hussein High School</b> , Torbat Heydarieh, Khorasan Razavi Province, Iran. Diploma in Physics and Mathematics Discipline. GPA: 17.11/20. 2012 – 2016	
HONORS AND AWARDS	◇ <b>Talented student</b> (based on research) Recognized by University of Birjand May 2021	
RESEARCH EXPERIENCE	◇ Research Assistant 2017 – 2021 Department of Computer Engineering, University of Birjand , Birjand, Iran. Director: <a href="#">Samiyeh Khosravi</a>	
PUBLICATIONS	My research is concentrated in two areas: The first one is <a href="#">Software Engineering and Empirical Software Engineering</a> . The second one is <a href="#">Artificial Intelligence and Data Science</a> . <b>Journal Publications</b> 1. Ali Rezaei Nasab, Mojtaba Shahin, Seyed Ali Hoseyni Raviz, Peng Liang, <b>Amir Mashmool</b> and Valentina Lenarduzzi. "An Empirical Study of <a href="#">Security Practices for Microservices Systems</a> ." Journal of Systems and Software (2022) 111563. DOI:10.1016/j.jss.2022.111563 Journal Information: Name: Journal of Systems and Software, ISSN: 0164-1212, Impact Factor: 3.514, Journal Ranking: Q1 2. J. Hassannataj Joloudari, M. Haderbadi, <b>A. Mashmool</b> , M. Ghasemigol, S. S. Band and A. Mosavi, "Early Detection of the Advanced Persistent Threat Attack Using <a href="#">Performance Analysis of Deep Learning</a> ". Published in IEEE Access, vol. 8, pp. 186125-186137, 2020, DOI:10.1109/ACCESS.2020.3029202.	

Journal Information: Name: IEEE Access, ISSN: 21693536, Impact Factor: 3.514, Journal Ranking: Q1

3. Habibi, Hossein, Abbas Rasoolzadegan, **Amir Mashmool**, Shahab S. Band, Anthony Theodore Chronopoulos, and Amir Mosavi. "SaaSRec+: a new **context-aware recommendation method** for SaaS services." Mathematical Biosciences and Engineering 19, no. 2 (2022): 1471-1495. DOI: [10.3934/mbe.2022068](https://doi.org/10.3934/mbe.2022068)

Journal Information: Name: Mathematical Biosciences and Engineering, ISSN: 15471063, Impact Factor: 2.1, Journal Ranking: Q2

4. Javad Hassannataj Joloudari, Sanaz Mojrian, Issa Nodehi, **Amir Mashmool**, Zeynab Kiani Zadegan, Sahar Khanjani Shirkharkolaie, Roohallah Alizadehsani, Tahereh Tamadon, Samiyeh Khosravi, Mitra Akbari Kohneshari, Edris Hassannatajjeloudari, Danial Sharifrazi, Amir Mosavi, Hui Wen Loh, Ru-San Tan and U Rajendra Acharya. "Application of **artificial intelligence techniques for automated detection** of myocardial infarction: a review" Published in Physiological Measurement journal. DOI:[10.1088/1361-6579/ac7fd9](https://doi.org/10.1088/1361-6579/ac7fd9)

Journal Information: Name: Physiological Measurement, ISSN: 09673334, Impact Factor: 2.6, Journal Ranking: Q2

### Conference Publications

1. Javdani Gandomani, T.; **Mashmool, A.**; Dashti, M.; Khosravi, S.; Najafi Sarpiri, M.; Radnejad, M.; Afshari, M.; Mansouri, S.; "Talent management in **agile software development**: The state of the art", Published in: 2021 3rd East Indonesia Conference on Computer and Information Technology (EIConCIT), DOI:[10.1109/EIConCIT50028.2021.9431902](https://doi.org/10.1109/EIConCIT50028.2021.9431902)

2. **Mashmool, A.**; Khosravi, S.; Joloudari, J.H.; Inayat, I.; Javdani Gandomani, T.; Mosavi, A.; "A Statistical Model to Assess the Team's Productivity in **Agile Software Teams**". Published in IEEE conference CANDO2021. DOI: [10.1109/CANDO-EPE54223.2021.9667902](https://doi.org/10.1109/CANDO-EPE54223.2021.9667902)

### Under review

1. Qamar, Nosheen, Nosheen Sabahat, **Amir Mashmool**, and Amir Mosavi. "Evaluating the Impact of Pair Documentation on Requirements Quality and Team Productivity." arXiv preprint arXiv:2304.14255 (2023). DOI:[10.48550/arXiv.2304.14255](https://doi.org/10.48550/arXiv.2304.14255)

### REVIEW EXPERIENCE

◇ IEEE Access journal (2) [Certificate](#)

### COURSE PROJECTS

#### Bachelor Course Project

- ◇ Design and Implementation of a Game (Passing a Pedestrian from the Street), using C++, Fundamentals of Programming Course, Supervisor: [Dr. H. Saadatfar](#)
- ◇ Design and Implementation of a Dictionary and finding misspelling words Using C++, Advance programming course, supervisor: [Mr. Mohammad Sadegh navabi](#)
- ◇ Design and Implementation of a project about some mathematic data Engineering, Statistics & Probability course, using SPSS, supervisor: [D.r Mahdi forouzanfar](#)
- ◇ Design and doing a lot of tasks with max plus and ISE software Also Having a presentation about using FPGA in smart Home(BMS), Digital System Design course, supervisor: [Dr Mehran Taghipour-Gorjikotaie](#)

#### Master Course Project

- ◇ Design and Implementation of a smart garden, to accomplish the project, we used Wokwi for simulation, MQTT as a broker, Vue.js for historical data visualization, Node.js as a Js client application, and Ubidots as a user dashboard. [Internet Of Things course](#), Supervisors: [Professor Giorgio Delzanno](#), [Professor Davide Ancona](#). available at [Github](#)
- ◇ Design and Implementation of a website using d3.js. This project is for visualizing different aspects of the Trento tree dataset. The website aims to provide readable and appealing visualizations for the reader. [Data visualization course](#), Supervisors: [Professor Annalisa Barla](#) available at [Github](#)
- ◇ Implementation of Naive Bayes algorithm. this project was related to the [machine learning course](#). Supervisors: [Professor Nicoletta Noceti](#), [Professor Lorenzo Rosasco](#). available at [Github](#)

TECHNICAL EXPERIENCE	Software Development Internship: <a href="#">Part Software Group</a> , Mashhad, Iran July2019-Sep2019 working on the projects by these Methodologies: HTML/HTML 5, CSS/ CSS 3, SASS, node.js	
PROFESSIONAL SKILLS	<ul style="list-style-type: none"> <li>◇ Programming Tools and Languages::C/C++, Visual Studio Code</li> <li>◇ Web/DB Technologies: HTML, CSS, JavaScript</li> <li>◇ Operating System: Linux (Ubuntu), Windows</li> <li>◇ Typesetting: TEX, LATEX, Microsoft Word</li> <li>◇ Reference Management Tools: EndNote</li> <li>◇ Other: Network+, Max plus</li> <li>◇ Excellent communication skills, both verbal and written as fluent in English and Persian.</li> <li>◇ A Good Team Player who supports and encourages his colleagues</li> <li>◇ Keen interest in research and collaborative research project</li> </ul>	
ACTIVITIES, MEMBERSHIPS, CERTIFICATES	<ul style="list-style-type: none"> <li>◇ ACM Staff in 7th ACM programing Contest,University of Birjand</li> <li>◇ Member of Computer Scientific Association,University of Birjand</li> <li>◇ Member of the International Association of Engineers (IAENG)</li> <li>◇ Professional Scrum Foundation, Iran Scrum Institute, <a href="#">Credential URL</a></li> <li>◇ Internship offer from IAESTE AUSTRALIA, <a href="#">Certificate</a></li> <li>◇ Certificate of Participation - IEEE Conference <a href="#">Certificate</a></li> <li>◇ Certificate Of Paper Presentation - IEEE Conference <a href="#">Certificate</a></li> </ul>	May 2018 2016-2018
LANGUAGE PROFICIENCY	Persian (Native), English (Fluent), Arabic (Familiar) English, Fluent in Reading, Fairly Good in Speaking, Comprehension and Writing.	
REFERENCES	<p><a href="#">Dr. Mohammad GhasemiGol</a> (Assistant Professor) Department of Computer Engineering, University of Birjand, University of North Dakota ✉ <a href="mailto:ghasemigol@birjand.ac.ir">ghasemigol@birjand.ac.ir</a>, ✉ <a href="mailto:mohammad.ghasemigol@UND.edu">mohammad.ghasemigol@UND.edu</a></p> <p><a href="#">Dr. Mehran Taghipour-Gorjikolaie</a> (Assistant Professor) Department of Electrical and Computer Engineering, University of Birjand, University of Surrey ✉ <a href="mailto:mtaghipour@birjand.ac.ir">mtaghipour@birjand.ac.ir</a>, ✉ <a href="mailto:m.taghipourgorjikolai@surrey.ac.uk">m.taghipourgorjikolai@surrey.ac.uk</a></p> <p><a href="#">Prof . Giorgio Delzanno</a> (Full Professor) DIBRIS,University of Genova ✉ <a href="mailto:giorgio.delzanno@unige.it">giorgio.delzanno@unige.it</a></p> <p><a href="#">Dr. Taghi Javdani Gandomani</a> (SMIEEE)(Assistant Professor) University of Shahrekord ✉ <a href="mailto:javdani@sku.ac.ir">javdani@sku.ac.ir</a></p>	