

Saeed Dastani

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Employment History

- Aug 2022 – Present 📌 **Pardis Gene.** Bioinformatics engineer.
- Jan 2021 – Jan 2024 📌 **Wize Analytics.** Data scientist.
- Aug 2018 – Feb 2019 📌 **JETCO,** Electrical engineer.

Education

- 2023 – Present 📌 **PhD Cognitive science, IPM, Tehran, Iran**
Computational neuroscience.
Advisor: Dr. Reza Rajimehr
- 2019 – 2022 📌 **MSc Computer engineering, Sharif University of Technology, Tehran, Iran**
Artificial intelligence branch.
Thesis title: *EEG-based thought to text conversion via Interpretable Deep Networks.*
Advisor: Dr. Hamidreza Rabiee
- 2014 – 2019 📌 **B.Sc. Electrical Engineering, Sharif University of Technology, Tehran, Iran**
Power systems branch.
Thesis title: *Design of test board for K-line in automotive vehicles..*
Advisor: Dr. Ali Medi
- 2010 – 2014 📌 **High School Diploma, Mathematics and Physics, Kamal High school, Tehran, Iran**
Overall GPA: 19.87/20.00.

Courses

- Selected courses 📌 Mathematical Numerical Computing
Signals and Systems
Digital signal processing
Stochastic processes
Statistical machine learning
Artificial intelligence
Machine learning
Deep learning
Natural Language Processing
Social and economical networks
Neuroanatomy
Cognitive neuroscience
fMRI
- Online courses 📌 Linear algebra (Stanford University, Dr. Strang)

Projects

Computer Structure and Microprocessor	🔖	Design and Implementation of low-speed oscilloscope using AVR.
Fundamentals of Electronic	🔖	Design and Implementation of FM radio receiver.
Statistical machine learning	🔖	Topic modeling using LDA, HDP and Variational Neural Net.
NLP	🔖	Gender detection from persian comments
Computer vision	🔖	Creating a dataset and training YOLOv5 network for barcode detection and decoding.
Optimization	🔖	Solving VRPTW(vehicle routing problem with time windows) for Mahex company.
Time series prediction	🔖	Implementation of a tool based on machine learning to predict storage performance for HPDS company.
Computational neuroscience	🔖	Classification of visual categories based on ECoG signals.
	🔖	Covert speech classification from EEG signals.
Bio-informatics	🔖	implementation of a bio-informatics pipeline for Human leukocyte antigen (HLA) typing.

Skills

Languages	🔖	English, fluent. Persian, native language Arabic, familiar Spanish, familiar
Coding	🔖	Skillful in Python Familiar with C and C++ Familiar with \LaTeX Familiar with Linux Familiar with Git Familiar with Django
Technical skills	🔖	Deep learning Machine learning Image processing Data visualization Bioinformatics
Misc.	🔖	Academic research, teaching, training and team work.

Miscellaneous Experience

Awards and Achievements

- 2014 🔖 **Ranked 33th among more than 200,000 participants in the Mathematics and Physics Konkour.**
- 2019 🔖 **Ranked 5th in The Artificial intelligence Konkour for Masters entrance.**
- 2023 🔖 **Ranked 4th in The Artificial intelligence Konkour for phd entrance.**

Certification

- 2016 🔖 **BlockChain and Decentralized Power Grid Technology, May 2018, Tehran, Iran.**

Miscellaneous Experience (continued)

- 2021
- Recognized as one of the top 3 teams in the first Cognitive Engineering Contest.
 - A Comprehensive Course of fMRI in Cognitive Neuroscience.