Abolfazl Ghahremani a problem solver

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solving real world problems is my art
we find the best solutions for what you want;it is my art,
A real,proved, computing and math modeler of real world problems,

Top Of EverySkill...I Am A Problem-Solver And more than this, A Problem-Finder in Real-world Human's Life.
Some sciences exist and I can not tell here by details.,they are the edge of research and science...

my vision to the truth is
'the real world has the most performance because it is only thing exists'

Education & Research

Amirkabir University of Technology – Tehran Polytechnic

- **B.Sc – Computer Engineering,(2016-2020)**
- **M.S – Aerospace Engineering, GPA: 16.96 (2017-2019)**
- **B.Sc – Aerospace Engineering, GPA: 16.43 (2013-2017)**
- **Research Opportunity In Applied ,Mathematics,Computational Intelligence and AI (2018-2019)**

- **Technical Analysis in financial markets and implementing a platform for it**

- **NLP and text analysis ,Computer vision problems and image processing and last possibilities for solving such as deep learning**

- **modeler and master of unsupervised learning, Supervised learning and lover of reinforcement learning and DRL**
- **Modeler of problems,Dynamics Systems,from IT to mechanics I called Real World Modeler**

- **deep learning and familiar and users of many of the famous Neural networks topologies and training algorithms using in the self specific problems**

Skills in programing Languages

GO{
I love it->
the latest lang i have learned }

Proficient in
Java(infinity lovely) and Jvm langs->{
Kotlin
Scala ,Groovy (tools:Maven & Gradle)
Android }
Full-stack programing:
Javascript / TypeScript
Node.js , Angular Ts,
React native
Electron desktop app
PHP frameworks vel / yii
C#, asp.net
MVC architectures
Design Patterns
Python:
    WebService
    Ai/ML
Algs:
    [tf[1]

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[1] tensorflow

- Asynchronous learner from 2016 to nonstop years

- Economics And Game Theory(2018-2019)

- Studies in Computational Intelligence, MULTIAGENT SYSTEMS,AND Cognitive ROBOTICS

- Data scientist, Recommender Systems Humanoid Systems(software agent),Optimal systems

- Designing Compiler and Dedicated Programing Languages

- Learner of Kubernetes these days and finisher of GO

- Designing Systems according Optimal control policy

- Reader of 12 Books Of best publisher: Springer in Artificial Intelligence ,Mathematics and Probability,and relates

Anything we need to create a high performance, scalable systems we learned and good at.

Software Architecture base on (3 axis Data MOdel,Functional model behavioral for analysis) and for design (Data design & Architecture design ,User interface design And Component Design)

the Best Web frameworks We have worked and used a lot for backend system design(*learning other frameworks is easy for us because the base concepts is same,so don't worry if your wf is not here)

➤Spring Boot/java the beautiful design, lovely, seethearted ,most secure and fast model, based on java, is the perfect web frameworks in the world. very great high platforms use this great framework now to respond to millions of requests i experienced and observed, it is a robust platform that exists for web api and micro services. I have worked on many other frameworks and I have never seen a simple and beautiful web app like spring boot.

➤django and encode/django-rest-framework Web APIs for Django:structured web framework can be fast in developing

,keras

,pythorch
(c++/torch)
scikit,numpy,...]

Hadoop
Maven
Spark
Git
Docker
platform,
Kubernetes
MongoDB
}

SKILLS in concepts

Fluent in learning technologies and expert in Creating Api for any information technology systems (my expertise).

worked
open source
JavaScripts:
{
"Libraries":
[
D3,three.js,google.chart,leaflet.js,mapbox,
....]
}

➤Gin/GO:Gin is a HTTP web framework written in Go (Golang). It features a API with much better performance –up to 40 times faster

➤ Fiber/Go an inspired Express node js Framework written in Go lang and top of fastest http handler 'httpfast' module for GO lang. this framework supports many needs of api platform as a microservices

➤Flask/python The Python micro framework for building web applicationsو
it is good micro servicer not as spring power but beauty design model
➤expressjs:Fast, unopinionated, minimalist web framework for node
it seems to be taking a wire between routes.
➤LoopBack 4:A highly extensible Node.js and TypeScript.framework for building APIs and microservices.it make me feel i am writing spring and java code:)).

➤feathersjs:A framework for real-time applications and REST APIs with JavaScript and TypeScript

>Microsoft .NET web api and mvc model
a good framework comes from olds but it is update

Educational Experiments, Projects & Jobs

- Implementing models and Testing the units of 3d secure online credit and debit card (visa, mastercard, …) transactions protocol implementing an e-wallet.
- Analysing and forecasting weather data Intelligent software . This project contained data, AI and Machine learning algorithms,big coding contains platforms like Global Map visualization,neural networks ,….. .

- Living with java/javascript/typescript/node/python every day

- Full Client-end Programmer Angular and React js

- Tutoring of Programming languages such as Java ,Python, Javascript/node.js Angular and React js and Spring framework.

- Teacher Assistant of Software Engineering and Advanced Programing Mr. Pourvatan. The Great Man Someone meet and learn from him,i really thank God to meet him and served

- Create and design microservices by restFul API.

- AUT's IT Center in the fall of 2018 On new design for security and so on.

LANGUAGES

English
Persian
Turkish (Birkaç &
Çok
Azari)

- time scheduling application for university base on AI and server sent data from Spring boot and showing components by react front end ,3 skills used same time :))

- design of login to internet of university web application by student users
- Scrum master in agile philosophy for project management, modeling & design.
- design backend of shopping web app for presenting products my customers needs
- Work in summer with Mivanet startup team backend and recommender system designer
- Work with Emozd.ir developer(many coding back and devops dockerize),TCI Tehran University
- Creating Ads and url-shorter system for Yektanet.
- Work In Ali baba.CO 3 months (as a Spring and server developer)
- Love Docker platform and work with
- work and familiar with scrum agile tools like attalissian products JIRA,Bitbucket,Bamboo, Trello

Best Application scientific Topics i have worked

- Computational intelligence(Neural Networks, Fuzzy Systems and Evolutionary Computation)and applicant programing

- Data scientist and ML(work with decision trees, discriminant analysis, support vector machines, logistic regression, nearest neighbors,linear regression,SVR naive Bayes, and ensemble classification and regression),clustering Unsupervised learning with some methods

- Full stack developing (never say 'No' to any new information systems)

- designing beautiful and fast path for cross platform desktop applications

- Evolutionary computing :

{Ant colony optimization,Estimation of distribution algorithms,Evolutionary algorithms,Evolutionary programming,Evolution strategy,Gene expression programming,Genetic algorithm,Genetic

programming, Grammatical evolution,Learnable evolution model,,Learning classifier systems,Memetic algorithms,Neuroevolution,Particle swarm optimization, Artificial immune systems,Artificial life,Cultural algorithms, digital organism,Differential evolution,Dual-phase evolution,Synergistic Fibroblast Optimization,**Self-organization such as,self-organizing maps, competitive learning**,**Swarm** intelligence}

- Dynamic programming approach and algorithms and other algorithms
- Graph systems implementing as a base of behavior of multi agents systems
- Designing Systems according Optimal control policy
- Cryptocurrency concepts and implementing
- Software Architect
- Erlang And Message passing programing paradigm for distributed systems like a messenger app

More Namebase skills in technologies

- Spring(Boot) framework (Restful api) for implementing web-based systems.
- Implementing distributed systems by **akka** open source toolkit(scala).
- Working with internet network protocols
- Researcher in API Telegram Developing software for Orgs , BOT's API and instant messaging.
- Working with AI/machine learning algorithms such as neural networks
- Genetic algorithms and other optimization methods
- And more

- Virtualization by **Docker**
- **NumPy Keras scikit-learn**
- **Deep learning methods**
- APIs of **TensorFlow** vs keras , **Pandas**
- **Deep Learning—Keras / TensorFlow / Theano**
- **matlab Programming:used all AI and**
- Implementing Web service API Such as Restful api and SOAP

- Google analytics and ads platforms like google adsense facebook ad
- framework .NET CORE (**asp.net**)
- Android developer/react native in past
- Databases (mysql, **oracle**, microsoft and **sql server**)
- NOSQL (Cassandra, mongoDB)
- BIG DATA analysis (by **Hadoop** & **Spark**)
- Developing Games and software(using event passing, component programing, thread programing and TCP/IP network concept)
- I am sorry now for was being Familiar with WINDOWS UNIVERSAL APP WFP MFC

Deep learning and Neural networks

description:

My skill is to use neural networks and deep learning to solve problems that can be adapted by this solution. It is clear we can just solve some problems with neural networks and I know well which problems can be solved with.

some deep neural networks I have worked and implement (more in tensorflow):

Convolutional neural network(CNN)

Long Short TermMemory(LSTM)

Variational Autoencoders(VAEs)

Gated recurrent units (GRUs)

Generative Adversarial Networks(GAN)

Self-organizing Maps(SOM)

Encoder/Decoder Structures

Bidirectional recurrent neural networks

traditional neural networks:

Boltzmann Machine

Feed Forward neural networks

cascade neural networks

Radial-Basis Function Networks(RBF)

Elman and Jordan networks...

text Analysing(NLP)

Word embeddings

Text classification with an RNN

Text generation with an RNN

Neural machine translation with attention

Transformer model for language understanding

DIGITAL MARKETING And
Creating Advertising Systems
in Social networks todays :
Instagram and so on....

lovely learning is still going
on...