Rahman Yousefzadeh

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SUMMARY

Experienced leader with a strong background in building, inspiring & motivating teams to meet business metrics and goals. Deep learning practitioner with a demonstrated history of working experience in machine learning and computer vision.

CORE QUALIFICATIONS

- Experienced in Distilling business problems into innovative analytical solutions, which drive business insights within company products.
- Proven leadership characteristics and have successfully managed high-performing engineering teams in an Agile environment and at the intersection of data science, software engineering, and UX teams.
- Demonstrated working experience in machine learning and computer vision.
- Practical knowledge of cutting-edge deep learning architectures and ml frameworks
- Motivation to explore new technologies, learn, and overcome unique challenges.

PROFESSIONAL EXPERIENCE

Head of AI factory – Fanap   September 2022-current

Lead Data Scientist- Shaparak   April 2022 -September 2022
- Design a secure and effective develop,test and deploy environment for AI solutions in Shaparak based on very high level of security

VP Engineering- Sentiligence(Subsidiary of sensifai) 2020-September 2021
- Design an efficient architecture for the comprehensive platform of AI services for surveillance cameras
  - Deliver a fully automated Video Surveillance and Intelligent Alarming Systems
  - Design and develop a distributed hybrid architecture capable of applying several online AI services (currently 7) for more than 100 camera streams using various processing units (Jetson Nano/ Jetson NX/ GPU servers)
- Coached engineers individually, inspired teams, provided regular feedback, and also aligned individual skills and growth areas with company needs and trajectory

VP Engineering- Sensifai   2017- April 2021
- Design, develop, Lead and deliver the following Products:
  - AI services include Video recommender, Video fingerprinting, Violence detection in videos, image enhancement, Image and Video captioning, various tagging and detection services.
  - General Platform, Trainable algorithms, and SAAS services on AWS marketplace and AWS Sagemaker
  - In-device services such as Smart Gallery and image enhancement
  - On-premise Products

- Grew the team size from 10 employees to more than 30 Employees. Provide technical leadership and inspire the engineering team to grow an effective and creative company culture and create the most efficient and high-quality products.
- build KPI dashboards, set schedules, and continuously participate in development meetings to ensure that features are delivered on time and meet business and customer requirements.

Lead Machine learning engineer - Sensifai   2015-2016

- Applied state-of-the-art deep learning techniques to interpret and understand videos and images for the following applications:
  - General Tagging (>10000 concepts)
  - Face and celebrity recognition (13000 celebrates)
  - Video Summarization
  - Image Captioning
- Develop various algorithms for automatic data cleaning and data preparation to support high-quality data.

EDUCATION

Artificial Intelligence, M.sc, 2011
Shahrood University

- Graduated with 18.54/20 GPA
- Thesis: Tracking people in a multi-camera environment with disjoint views
- Awarded: Best researcher student of the year 2009

Computer engineering, B.sc, 2008
Zanjan University

- Graduated with 17.43/20 GPA
- Thesis: Detecting driving violence using computer vision

Core Skills

- Cross-Functional Team management. Experienced in Agile methodologies, Experience in working with Jira and confluence
- Demonstrated knowledge of the state-of-the-art machine learning / deep learning methods
- Fluent in developing High-quality codes in Python and machine learning libraries such as Tensorflow, OpenCV, Deep stream, pandas, NumPy,scikit-learn, …
- Proficiency in working with git, CI/CD Ml-flow, …

TEACHING EXPERIENCES

Lecturer / Shahrood university of technology   2009 - 2012

- theory of Formal Languages and Automata, Algorithm Design, Operating System Lab / Linux

Lecturer / Shahrood university of higher education   2009 - 2012

- Theory of Formal Languages and Automata, Algorithm Design, Data structure, Operating Systems, Artificial intelligence, Technical English for Computer Students

PUBLICATIONS

- Diba, A., Fayyaz, M., Sharma, V., Arzani, M. M., Yousefzadeh, R., Gall, J., & Van Gool, L. (2018). Spatio-Temporal Channel Correlation Networks for Action Classification. In Proceedings of the European Conference on Computer Vision 2018.

- Diba, A., Fayyaz, M., Sharma, V., Karami, A. H., Arzani, M. M., Yousefzadeh, R., & Van Gool, L. (2018). Temporal 3D ConvNets using Temporal Transition Layer. In Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition Workshops (pp. 1117-1121).

- Reza Moradi, Rahman Yousefzadeh, Recognizing Objectionable Images Using Convolutional Neural Nets, first International Conference on Signal Processing and Intelligent Systems (ICSPIS 2015)

- Reza Moradi, Rahman Yousefzadeh, Objectionable Image Detection Using Subspace Coding, 23rd Iranian Conference on Electrical Engineering (ICEE 2015)

- Rahman Yousefzadeh, Hamid Hassanpour. Pedestrian Tracking Through Camera Network with Disjoint Views, ICMLC 2011

- Rahman Yousefzadeh, Pedestrians Tracking in a Camera Network, Journal of Applied Computational Research, 2011