Sharma Saravanan

Senior AI/ML Technologist

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🧠 Profile

As an AI/ML technologist, I have worked on a wide range of projects and products in Image and Text processing. I have developed and deployed over 100 microservices for AI/ML models, including face recognition, facial expression identification, Diabetic Retinopathy detection, NLU-based chatbots for various industries, Smalltalk-conversational chatbots, and NLG-based poem generators. My experience and expertise in the AI/ML field have enabled me to create and deploy sophisticated applications to help organizations and businesses improve their operations.
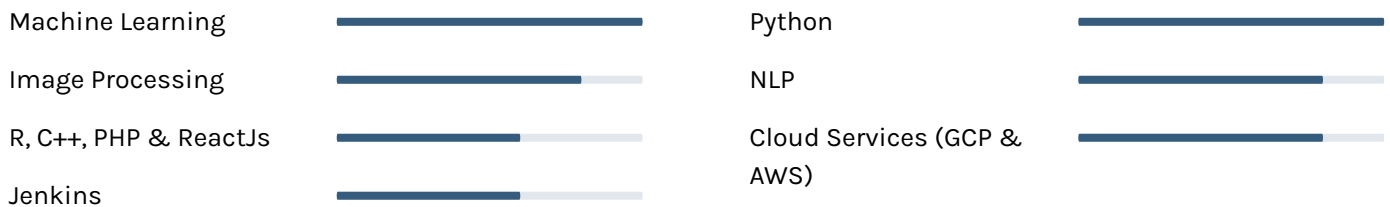
🎓 Education

Master of Engineering 09.2014 – 05.2016
PSG College of Technology Coimbatore, India

Bachelor of Engineering 08.2010 – 05.2014
Anand Institute of Higher Technology Chennai, India

💼 Professional Experience

Senior AI/ML Technologist 03.2019 – present
Agentz.ai Chennai, India
- Design and develop the AI microservices for the NLU-based SAAS product.
- Create and maintain the AWS infrastructure for the deployment of the product.
- Handling a team of 10 members.
- Architecting Micro-services for the platform.

AI/ML Engineer 09.2017 – 03.2018
Tringapps Research Lab Chennai, India
- Analyze user needs and software requirements to determine the feasibility of design within time and cost constraints.
- Design, develop, and modify software systems, using scientific analysis and mathematical models to predict and measure the outcome and consequences of design.
- Store, retrieve, and manipulate data for analysis of system capabilities and requirements.

Assistant Professor 06.2016 – 09.2017
Vignan University Guntur, India
- Conduct research in a particular field of knowledge and publish findings in professional journals, books, or electronic media.
- Prepare course materials such as syllabi, homework assignments, and handouts.
- Prepare and deliver lectures to undergraduate or graduate students on topics such as DSP, AI, and Image processing

AI/ML Researcher

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- Analyze problems to develop solutions based on AI involving computer hardware and software.
- Apply theoretical expertise and innovation to create or apply new technology, such as adapting principles for applying computers to new uses.

🧠 Skills

Machine Learning		Python	
Image Processing		NLP	
R, C++, PHP & ReactJs		Cloud Services (GCP & AWS)	
Jenkins			

📚 Publications

Smart Camera Network Supervision for CompetentExploitation of Energy Recourses in vision Task
APTIKOM Journal on Computer Science and Information Technologies

01.2021

Technical Analysis of CNN-Based Face Recognition System—A Study
Computational Intelligence in Data Mining, Springer

07.2018

Optimization of energy exhaustion for Smart Camera Network in vision task
2017 Third International Conference on Advances in Electrical, Electronics, Information, Communication and Bio-Informatics (AEEICB),IEEE

02.2017

Advanced Symmetric Key Cryptography Algorithm For Information Security
Pakistan Journal Of Biotechnology

12.2017

Revamping the Frequency and Computational Time of RTOS Task – Power Dissipation
Distributed Computing and Internet Technology. ICDCIT ,Lecture Notes in Computer Science, vol 10109. Springer

01.2017

Pedestrian Detection for Surveillance Network- Computer Vision Task
International Journal of Control Theory and Applications

01.2017

FAREC—CNN based efficient face recognition technique using Dlib
2016 International Conference on Advanced Communication Control and Computing Technologies (ICACCCT)

05.2016

Face recognition with CLNF for uncontrolled occlusion faces
2016 IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT)

05.2016

Real time face authentication using convolutional neural network
IET Digital Library

01.2016

💬 Languages

Tamil	● ● ● ● ●		English	● ● ● ● ○
Telugu	● ● ● ● ○		Malayalam	● ● ● ○ ○
Hindi	● ● ● ○ ○		French	● ● ● ○ ○
Japanese	● ● ● ○ ○			

⧗ Interests

Ukulele   Books   Gadgets   Travel

🏅 Awards

Best All Rounder   02.2016
PSG College of Technology

</> Organizations

MSME, Government ministry   01.2018 – present
AI/ML Trainer   India
- I have been working as AI/ML, Data science trainer.
- I have trained more than 10K people on various technologies.