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Top Skills

Artificial Intelligence
Machine Learning
Deep Learning

Languages

English (Full Professional)
Tamil (Native or Bilingual)
Kannada (Native or Bilingual)

Certifications

Object Oriented Java Programming:
Data Structures and Beyond
Specialization, University of
California San Diego
Game Theory, University of British
Columbia, Stanford University
Operating Systems
Introduction to Programming
(Python)
Scalable Microservices with
Kubernetes

Honors-Awards

Yuvasri Kala Bharathi Award
Best Student of the Year 2006-07
Kaggle Master

Publications

Large Scale Distributed Machine
Learning (Deep Learning) Systems

Arunkumar Venkataramanan

Founder and CEO at DeepBrainz | ML/Data Scientist | Machine
Learning (Software) Engineer | AI Researcher | Kaggle Master
Bengaluru, Karnataka, India

Summary

Advancing Tomorrow's State-of-the-art AI with DeepBrainz aka
DeepBrainz Intelligent Systems: A Future Revolutionary Technology
Startup Influencing World Industries by Cutting-edge Technologies
for "Empowering Humanity Universally" through R&D, Innovation &
Breakthroughs!

Future Innovator & Influencer!

An Objectivist Entrepreneur Founder and CEO

Chief Software Architect Machine Learning Engineer Data Scientist
Principal Software Engineer (DevOps) AI Researcher Cloud
Specialist AR/VR Coder Open Source Developer Ethical Hacker
Competitive Programmer Kaggle Master

An alumnus of Anna University & Cambridge School

Information Communication & Technology ICT Computer Science
CS & Engineering Data Science & Engineering

Artificial Intelligence AI Machine Learning ML Neural Networks Deep
Learning DBN CNN RNN GANs Deep RL

Computer Vision CV Natural Language Processing NLP Robotics
Artificial General Intelligence AGI

Quantum Computing Blockchain & Emerging Technologies!

IT Business Strategy OKRs Management Entrepreneurship &
Innovation

Universal Bot: Robotics with Python through Deep Reinforcement Learning

Universal Language: Natural Language Processing with Python through Deep Learning

Hands-on Deep Reinforcement Learning with Python

Computational Advertising with Recommender Systems for Targeting and Ranking Ads through Machine Learning

Python & it's all major Libraries Scipy Stack scikit-learn TensorFlow Keras PyTorch ASF MXNet DeepMind DQN DNC Sonnet OpenAI Gym Baselines CUDA Hadoop MapReduce Spark Rstats & OSS

Google Cloud GCP AutoML Cloud TPU AWS MLaaS IBM Watson Azure ML Spark MLlib Hadoop Ecosystem

Substantive Expertise Big Data Mathematical Statistical Computational Quantitative Hacking Skills

Psychology Emotional Intelligence EQ/EI Decision Sciences

Creativity Brainstorming Critical Thinking Logical Analytical Problem Solving Interpersonal Skills & all Competencies

Above all, the key skill called "LEARNABILITY" with Growth Mindset will help acquire all necessary skills of all Emerging Technologies Markets to pursue my DREAMS through Mission Vision & Core Values!

To be an asset to the organization by working with honesty and determination and have challenges as my duty and opportunity to achieve professional and personal growth along with the organization.

Experience

DeepBrainz

Founder and CEO

2017 - Present

Bengaluru Area, India

Advancing Tomorrow's State-of-the-art AI with DeepBrainz aka DeepBrainz Intelligent Systems, A Future Revolutionary Technology Startup Influencing World Industries by Cutting-edge Technologies for "Empowering Humanity Universally" through Innovation, R&D, & Breakthroughs!

DeepBrainz

Chief Software Architect

2017 - Present

Bengaluru, Karnataka, India

Make high-level design choices and dictate technical standards, including coding standards, tools, or platforms.

Focus on the design methodology of the code and also engage in the design of the architecture of the hardware environment.

Make use of various software architectural models that specialize in communicating architecture.

DeepBrainz

Principal Software Engineer

2017 - Present

Bengaluru, Karnataka, India

Build/Develop (Design and Implement) Large Scale Machine Learning (Deep Learning) Distributed System.

Do design, develop, test, deploy, maintain and improve the software.

Manage individual project priorities, deadlines and deliverables.

Make use of the software engineering standards, practices, approaches including DevOps, agile methodologies and their tools & technologies.

DeepBrainz

Machine Learning Engineer

2017 - Present

Bengaluru, Karnataka, India

Do design, develop, test, deploy, maintain and improve Machine Learning ML models and ML infrastructure. And software that uses these models.

Design and implement machine learning solutions.

Identify opportunities to transform the business with machine learning, and to deploy solutions.

Develop and Use Mathematical Modeling to study the effects of the system and make predictions about behavior.

Apply the Most Powerful and the Popular ML Technologies (Concepts, Rules as Best Practices, Engineering Techniques, and Algorithms) to the Software (Distributed) Systems for building the Production ML Systems.

DeepBrainz
Data Scientist
2017 - Present

Bengaluru, Karnataka, India

Deliver state of the art big data and machine learning solutions and solve complex technical challenges.

Also Deliver data science solutions to business problems.

Inform product strategy, Influence the product roadmap, and guide product decisions.

Access and analyze the data to generate insights and make proactive information.

Formulate success metrics for completely novel products and creating dashboards/reports to monitor them.

Design and analyze experiments to test new product ideas.

Develop models and data-driven solutions that add material lift to principal performance metrics.

Deliver various analytical solutions – which outlines methodology, or inform business decisions, or even a dashboard/visualization.

Design the systems with a documented track record of having developed and deployed Models/Algorithms/Segmentations that are based on advanced statistical methods and principles.

DeepBrainz
AI Researcher
2017 - Present
Bengaluru, Karnataka, India

Do Research Work (R&D) on Artificial Intelligence, Machine Learning, and Deep Learning and related areas such as Computer Vision CV, Natural

Language Processing NLP, Robotics, and General AI AGI at DeepBrainz BRAIN.

GitHub

Open Source Developer Program Member (Machine Learning Open Source Software Developer)

2013 - Present

Machine Learning ML OSS Contributor/Developer, and Developer Program Member

Kaggle

Kaggle Master (Machine Learning ML)

2016 - Present

Kaggle Kernels Master: Kaggle Master - Top 1% and Top 50 (Machine Learning Engineer and Data Scientist - ML) and 49th Kaggle Kernels Master in the world

Google Developers Group

Developer Community Member

2018 - Present

Bengaluru, Karnataka, India

Google Developers Community Member

Self-Employed

Open Source Developer (Machine Learning Software Engineer)

2013 - Present

Bengaluru Area, India

Do Design, develop, test, deploy, maintain and improve (Design/Develop/Engineering/Production Systems) OSS (Open Source Softwares) that provides the real-time solutions through Artificial Intelligence AI, Machine Learning ML and related Technologies for the Large-Scale Real-World problems as ML S/w Engineer (Open Source Contributor and Developer) at Open Source Organizations on GitHub and other such places.

Self-Employed

Independent Software Developer (Machine Learning)

2013 - 2016 (4 years)

Bengaluru, Karnataka, India

Did Design, develop, test, deploy, maintain and improve (Design/Develop/Machine Learning Engineering) Softwares (ML/Deep learning Models/Infrastructures/App) Independently (as Freelancer, Independent Software

Dev, Coder, Programmer, Engineer) for solving the Large-Scale Real-World problems on popular freelance workspace such as Upwork, Fiverr, Freelancer, Elance, Toptal, etc.

Self-Employed

Independent Researcher (Artificial Intelligence/Machine Learning/Deep Learning)

2013 - 2016 (4 years)

Bengaluru Area, India

Did Independent Research Work on Artificial Intelligence, Machine Learning, and Deep Learning and related areas such as Computer Vision CV and Natural Language Processing NLP.

Education

Anna University

Bachelor of Technology (B.Tech), Information Technology · (2009 - 2013)

Stanford University

Independent Coursework, Artificial Intelligence, Machine Learning, Deep Learning for NLP and CV, Robotics with Deep RL

Massachusetts Institute of Technology

Independent Coursework, Algorithms and Programming, Deep Learning for Self Driving Cars, and Artificial General Intelligence

Harvard University

Independent Coursework, CS50, Psychology, and Neuroscience, Business Management and Administration from HBS

Udacity

Independent Coursework, Multi/Interdisciplinary Studies