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Top Skills

Machine Learning

Deep Learning

Python

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

Won Bronze Medal for the rank
62nd/465 in Google AI's Inclusive
Images Challenge on Kaggle

Won Bronze Medal for the rank
90th/521 in iMet Collection 2019 -
FGVC6 on Kaggle

Arunkumar Venkataramanan

Machine Learning (Software) Engineer | Data Scientist - ML | AI
Researcher | @DeepBrainz (An AI Project) | 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 and
Breakthroughs!

An Objectivist Entrepreneur Founder Future CEO Innovator &
Influencer!

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 CNNs LSTM GRU 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

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

Publications

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
Machine Learning (Software) Engineer
May 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 for automation and optimization.

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

Involve in Algorithm Development and work on various Deep Neural Networks DNN Architectures such as Convolution Neural Networks CNN, Recurrent Neural Networks RNN, etc

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 - Machine Learning
May 2017 - Present
Bengaluru, Karnataka, India

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

Deliver data science solutions to business problems through Predictive Analytics, and Predictive Modeling with various classification, regression and clustering algorithms.

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 using predictive analytics.

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 modeling methods and principles.

DeepBrainz
AI Researcher
July 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.

DeepBrainz
Founder and Project Lead (Future CEO)
May 2017 - Present
Bengaluru Area, India

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

DeepBrainz
AI Product Manager
July 2017 - Present
Bengaluru, Karnataka, India

DeepBrainz
Chief Software Architect
July 2018 - 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
June 2018 - 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.

GitHub
Open Source Developer Program Member (Machine Learning Open Source Software Developer)
July 2013 - Present

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

Kaggle
Kaggle Master (Machine Learning ML)
March 2017 - Present

Kaggle Kernels Master: Kaggle Master - Top 50 (Top 1%) & currently ranked 54/94k and 49th Kaggle Kernels Master in the world
Currently ranked 299/113k, Top 300 and 0.26% Kaggle Competitions Expert (Machine Learning Engineer and Data Scientist - ML)

Google Developers Group
Developer Community Member
2018 - Present
Bengaluru, Karnataka, India

Google Developers Community Member

Self-Employed
Open Source Developer (Machine Learning Software Engineer)
July 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 Researcher (Artificial Intelligence/Machine Learning/Deep Learning)
September 2013 - April 2017 (3 years 8 months)
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.

Self-Employed
Independent Software Engineer - Machine Learning
August 2013 - March 2017 (3 years 8 months)
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.

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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, Computer/Information Technology Administration and Management

Udacity
Independent Coursework, Artificial Intelligence