

## K. Shivaramakrishnan

CTO, Productization, Startups, Mentoring, EcoTechnologies

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*My intention towards a sustainable development is to create clean & robust technology that is independent & should require no human involvement in any manner.*

*"A trekker, carnivorous plant cultivar, foodie & a researcher, transitioning from the world of academic research to enterprise tech through series of startups and its leadership roles."*

- **Total Work Experience: 9 years**
- **Academic Research & Machine Learning NLP: 6 years**
- **FullStack dev: 9 years**
  - Arena : **Industry 4.0** interfaces, serverless & nocode architectures, hyper, hybrid and private clouds.
- **Enterprise Data Science & Research - NLP : 5 Years**
  - SOTA, GPT, neural networks & other deep learning modes.
- **CoFounding Exp : 9 years - 6 startups so far.**
  - Product dev, deployment, marketing, social media & client engagement.

## Education

### IIT Madras

Masters in CS by Research | 2018 - 2020 | dropped - 2019

- **Advanced Natural Language Processing (CS6370)**, GPU Programming (**CS6023**), Reinforcement Learning (**CS6700**), Principles of Neuroscience (**BT5270**), Pattern Recognition and Machine Learning (**CS5691**)
- **Tutored Winter Course works** - CCBR (IITM) : **Machine Learning**. Winter coursework in 2018, 2019 & 2020 - (**ID7123**) - Theory & Lab works.

### Tamilnadu Open University

Masters in Psychology | 2017 - 2019 | dropped - 2018

### IIIT Bangalore

Post Graduation Certification | Currently pursuing

- **ML, NLP and Deep Learning**

### Sathyabama University, Chennai

Bachelor of Technology (Biotechnology) | Majored in **Neurology** | 2014

- My undergraduation mainly focused on research which helped me explore deeper avenues of relations between **Biomechanics, Neurotechnology & Nanotechnology** in practical applications.

## Experience

### Center for Computational Brain Research,

#### IIT Madras - **Research Associate**

Jan 2018 - July 2019

- Developed the entire **stack** for the **Brain Architecture** of marmoset and mouse micro sections in **super resolution images and its research analytics** for Dr Partha Mitra, Stanford University, Cold Spring Harbor Lab.

#### HTIC, IIT Madras - **Data Science Consultant**

Chennai | May 2019 - Sept 2019

- **General Electric's** project - Development of a suggestion bot to aid radiologists and doctors in making ultra high precision and **lossless annotation models** on MRI patient records.

### Mocero Health Solutions - **Chief Technology Officer & Technical Consultant**

Chennai | Aug 2019 - March 2020

- Designed and developed the architecture and prototypes of **UrSugar**, **Culora** and **Convenient Care** product lines as the CTO and Data scientist.

### Forest Studio - **Founder**

Chennai | Jan 2020 - Current

- India's **first carnivorous cultivar** set to revive extinct and endangered carnivorous plant species by **advanced Plant Tissue Culture** methods.
- **Batch Production, Preservation and Product Cycles Managements.**

### Data Science, CCBR, IIT Madras - **Senior Project Engineer**

Chennai | Aug 2020 - Nov 2020

- Working directly with world's leading professors to Design and develop data science and full stack tools, services, apis and pipelines, brain viewer 2, 3 & v4 at [brainarchitecture.org](http://brainarchitecture.org) and [braincircuits.org](http://braincircuits.org).

### 5C Networks - **Innovation Lead - Data Scientist**

Bangalore | June 2021 - Aug 2021

- Working with the cofounders, Developed algorithms to generate **unsupervised ground truth data for real time annotation & validation** of radiological and biomedical datasets.

### Cephei Technologies, MTI, IIT Madras Research Park- **CTO & Founder**

Chennai | Jan 2020 - current

- **Pharmaceutical IP prediction**, Legal text processing pipeline, Food processing from Images and segmentation pipeline, IMU based badminton performance analytics.

### Soul Scientific - **Founder**

Chennai | Jan 2015 - current

- **First Indian BCI company** with sports & medical grade wearable EEG hardware developing retinal EP devices with medical device manufacturers.

### ULARI Technology - **HRFission : CTO & Co Founder**

Bangalore | Jan 2022 - current

- **First Indian PaaS startup** to replace end to end roles & responsibilities of a **HR**. It enables and aids recruitment and role profiling/management for both the candidate and the entity.

My other activities can be found here : [git.io/JXrlh](https://git.io/JXrlh) | [CV](https://git.io/JXd6J) - (<https://git.io/JXd6J>)