

K. Shivaramakrishnan

Data Science, Machine Learning & CTO
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"A trekker, carnivorous plant gardener, foodie & researcher, transitioning from academic research to the enterprise tech world through series of startups."

- Total **Work Experience: 9 years**
- Academic Research & Machine Learning NLP: 6 years
- **FullStack** (mean/mern): 4 years
- Enterprise **Data Science & Research** - NLP : 5 Years
- **Startup life : 9 years**

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 work - CCBR (IITM) : Winter Machine Learning - coursework 2018, 2019 & 2020 - (**ID7123**) - Theory & Lab works.

IIIT Bangalore

Post Graduation Certification | **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 super resolution micro section images** and **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 accurate 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](#)

Jan 2020 - Current

- India's **first carnivorous cultivar** set to revive extinct and endangered carnivorous plant species by advanced **plant tissue culture** methods.
- Advanced Tissue culture and lab management and product cycles.

Data Science, CCBR, IIT Madras - [Senior Project Engineer](#)

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 and braincircuits.org.

5C Networks - Innovation Lead - [Data Scientist](#)

Bangalore | June 2021 - Aug 2021

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

Cephei Technologies, MTI, IIT Madras Research Park - [Founder](#)

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](#)

Jan 2015 - current

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

My other activities can be found here : git.io/JXrIh | [CV](#)