

# NIKHIL N KANTA

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An Entrepreneur, Physicist and Data Scientist. Primarily interested in building Social Enterprises, Open source tools and Data Empowered Transparent society.

## EDUCATION AND SCHOLASTIC ACHIEVEMENTS

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### Indian Institute of Technology Madras

Master of Science

Department of Physics

*August 2016 - July 2018*

Overall GPA: 6.57/10

### The National Degree College, Jayanagar

Bachelor of Science

Physics, Chemistry, Mathematics.

*August 2013 - July 2016*

Overall Percentage : 70%

Ranked **337** in the **CSIR-NET** December 2017 and is qualified for the **JRF-NET** scholarship.

## EXPERIENCE

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### Vrook.co

*Vertical Tech Head (Vrx - a fork of Open-Edx)*

March 2019 - Present

- In-charge of building, deploying and maintaining the Open Edx fork called Vrx.
- In charge of building the Intelligent Tutoring System which includes an in depth self analytics for student, Intelligent Evaluation system and a Chat-bot for learning, Career Pathway Visualisation.
- Maintaining the AWS instances and services for the company.

### Cydee Technologies Pvt Ltd

*EiR/Business Development*

Nov 2019 - March 2019

- Was in charge of planning, prototyping and building the public IoT Infrastructure platform which included a maps based platform for end users, along with development of sensors for the infrastructure.
- Was in charge of Financial modelling, Funds Raising, Pitching at investors meet and Investor's Relationship.
- Was in charge of business development and sales activities at the company

### Freelance Teacher

May 2018 - July 2019

- Taught at JanaDeepti Tutorial as Teacher for 11th and 12th physics for around 200 Students.
- Taught for 6 students as a personal tutor online and as a home tutor.

### IIT Madras

*Postgraduate Research*

May 2017 - May 2018

- Built a Network of tags from the data of website Physics Stack Exchange.
- The built Network represents a Knowledge Network whose analysis gave information about the current Knowledge of that platform.
- The Community partitions of this network yielded the Sub-fields of physics from the Knowledge Network.

## TECHNICAL STRENGTHS

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<b>Programming Languages</b>	C, C++, Python
<b>Frameworks &amp; Tools</b>	HTML, LaTeX, git, Mathematica, TensorFlow and Keras
<b>Platform</b>	Ubuntu, MacOS, Windows
<b>Infrastructure</b>	Google Cloud Platform, AWS

## HIGHLIGHTED COURSEWORK

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Machine Learning	Deep Learning
General Relativity & Cosmology	Dynamical Systems
Quantum Field theory	Numerical Method & Computation
Statistical Physics	Classical Mechanics

## POSITION OF RESPONSIBILITY

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<b>Live Creative Trust</b> <i>Co-founder &amp; Secretary</i>	June 2015 - Nov 2019
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- Live Creative is a non-profit organization which works with Students in Bangalore to help them with career choices.
- Organized talks and workshop which were attended by 200+ students.
- Was in charge of developing the Workshop programs for 3D Printer and Aeromodelling, including making BOM, Procurement and handling the Software development needed for the programs.

<b>Students' Placement Office</b> <i>Placement Coordinator &amp; Executive Member of Ad-Hoc Committee</i>	Aug 2017 - April 2018 <i>IIT Madras</i>
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- Acted as the Placement Coordinator for the M.Sc, where I was responsible for the placements of 90 Students involving 150 companies. 37 Students got placed in various companies.
- Was an Executive Member of Ad-Hoc Committee for the recognition and betterment of the Placements for the M.Sc students. The Committee made proposals for the same, which resulted in the sharp increase in the number of placements from 37 in 2017-2018 to 95 in 2018-2019.

## EXTRA-CIRRICULAR

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Amateur Astronomer, You can find me hunting for dark skies when ever i find time.

Plays Violin, Listen's to Dream pop and reads a lot of Philosophy.

Actively working with a local science to raise awareness of sciences to students. Works with Garike, A cultural NGO working with rural children to cultivate arts and raise awareness of fading cultures.