

# Rohan Sahni

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[Linkedin](#) | [Github](#) | [Website](#)

## SUMMARY

Content Developer with about 2+ years of experience in teaching and developing programming courses in Scratch, Python, Django, Machine Learning, and Data Science to school and college students. Designed and developed over 10+ applications in the STEM domain.

## EDUCATION

Department of Physics, Panjab University -  
B. Sc-M.Sc Integrated Program(Physics) - Didn't complete. 2014-2019

## SKILLS

- Programming Languages: Python, R, HTML/CSS, JS
- Database: MySQL, MongoDB
- Tools: Git/GitHub/MATLAB
- Frameworks/Libraries/Environments/APIs: Django, Flask, Bootstrap, T5 Transformer, and other basic ML modules.

## WORK EXPERIENCE

**Byju's - Think and Learn Pvt Ltd.** Bangalore | June, 2021 - Till Date

Job Roles:

- **Curriculum Developer**(1 Year): Scratch | Python | App Script | JavaScript | Django | Flask
- Developed coding curriculums and other internal software for Byju's Future School.
- Build JavaScript-based Math games for Byju's Math App.

**RoboGenius Innovation Studio** Gurgaon | June, 2019 - June, 2021

Job Roles:

- **Coding Masters Faculty & Research Assistant** (1 Year) : Python | HTML/CSS/Bootstrap Django | GoogleAPIs | Machine Learning | Arduino(TinyML) | Coppeliasim Tensorflow(Beginner)
- **Jr. Trainer** (9 Months) : LEGO Robotics | STEM Learning | 3D-Printing

### Volunteer Work

- Volunteer at LIGO-India Education and Public Outreach Project (1 week)
- Intern at Center for Research in Applied Cognitive Sciences (2 Months)

### Papers Published & other works

- **Interaction between Artificial Intelligence and Mechanical Engineering** (3 Months) : 2020 IJRAR, Volume 7, Issue 4 October 2020
- **Review of Artificial Intelligence Driven Chemistry** (3 Months) : IJRASET Volume 7 Issue X, Oct 2019 - doi: <http://doi.org/10.22214/ijraset.2019.10011>
- **Review of Artificial Intelligence in Electrical Engineering** (4 Months) : IJSRD | Vol. 7, Issue 09, 2019 | ISSN (online): 2321-0613
- **Invision Labs by RODINcode** (3 Months) : Django | Firebase | JavaScript
- **ChatBot** (4 Months) : Web Scraping | RASA-X | NLTK(Python)
- **CueMath**(1 month): Python Instructor

## SIDE HUSSLERS

Started [rodincode.github.io](http://rodincode.github.io) for providing a free space for to help students learn to code by working on real data in the world.

## PROJECTS

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### **Classification of signals using CNNs - M.Sc Project**

Chandigarh | Jan, 2019 - May, 2019

- Reviewed a method proposed by Kaschuee on PhysioNet's MIT-BIH Dataset and then compared its accuracy on arrhythmia classification using different optimizers.

### **COVID-19 Interactive Visualization with MANIM**

Chandigarh | May 2020 - Feb 2021

- Made a dashboard-like environment to make videos of graphs explaining how four different compartments of the SEIR Model (Susceptible, Exposed, Infected, and Recovered) for coronavirus spread changed with the time in a state/country.