

📄 **Work experience**

- **Byju's Think & Learn, Developer**
2021-06 ~ 2022-10

Django Python Game Development Kiwi Pandas Django REST API Framework

Byju's Math App
 - Developed Math-based games for Byju's Math App using Construct 3 software. (Video links in the Portfolio).
DevOps Team
 - Worked with a team for automating report card generation for students just after the live class.
Capstone Team
 - Developed and maintained tech assets for White Hat Jr. Capstone Team. Capstone was a unique project which aimed at teaching kids of G1-8 math with the help of interesting coding projects.
 - Created an in-house copy-edit tool to highlight and rectify copy-edit errors in online documents which saved the time and effort of copy-editors by 70%. The tool successfully fixed content-related issues, conventions as well as mathematical equations. Google Apps Script, Python, HTML, CSS, and JavaScript were used to train and deploy the model as a Google Chrome extension.
 - Modified the open-source version of the Scratch platform (Developed by MIT) to customize the UI and added an additional extension to it. Technologies used: React. HTML, CSS, and JavaScript.
 - Created a software named Transletto to extract, filter, and modify information from .sb3 files. The tool effectively translated US-EN assets into Spanish. Technologies used: Pandas, Kiwi, Machine Learning, T5 Transformer Model.
- **Cuemath, Python Instructor**
2021-05 ~ 2021-06

Python

CueMath Teacher Training Program
- **Robogenius Innovation Studio, Research Assistant and Python Trainer**
2019-06 ~ 2021-05

Python Lego Robotics 3d Printing Arduino Publications Django HTML/CSS/Javascript

Coach - LEGO FLL Jr. India

</> **Personal projects**

🔗 **Employee Management App**

A project built on top of the Django Rest framework containing multiple apps for managing data like employees, departments, salaries, tasks, work in progress, managers, etc. It has a good-looking UI with search features and has class-based views for Rest API calls. Rest API calls can be tested from the postman.

🔗 **Analysis of how Elon Musk tweets and Jack Dorsey tweets affected the Cryptocurrency**

Built a project with Jay Shankar Nanda in which we visualized how the values of cryptocurrencies were being affected by the tweets from giants like Elon musk and Jack Dorsey.

Matplotlib Python Numpy Pandas Visualization

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

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 time in a state/country

3Blue1Brown's manim Python Dash ffmpeg Plotly Pandas

🔗 **StackOverflow API**

An Application over StackOverflow API for searching questions in StackOverflow.
Requirements:
Should be able to search all available fields/parameters.
List the result with pagination with the Django template (Using Restful API and angular/react bonus).
Page/Data should be cached. (Application should only call StackOverflow API if we didn't pull data already for the same query param)
Add a Search limit per min(5) and per day(100) for each session.

🔗 **Rodincode Website**

Built a website for my startup called Rodincode. RODIN (Robotics Data science artificial Intelligence Networks) promises to give you quality Online coding classes for Math, Physics, Robotics, Data Science, Machine Learning & Deep Learning.

HTML/CSS/Javascript Jerkyll Visualisations Plotly APIs

🔗 **LEGO NXT Self Parking Program**

Built an algorithm for LEGO NXT to find enough space to fit and then autonomously park itself in an aisle.

LEGO Robotics Algorithm

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

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

Convolutional Neural Networks Python Matplotlib Pandas

🔗 **Other links**

- GitHub : <https://github.com/rodingo>...
- 🟡 About Me : <https://about.me/rohansahni>
- 🟡 Medium : <https://medium.com/@ph...>



👤 **Rohan Sahni**

Hire Available

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📍 Chandigarh Developer

Python Django Pandas Sklearn Game Development Flask HTML/CSS/Javascript

🔗 [Check his GitHub visualize report](#)

