

# Rishi Patel

Portfolio: R1S.com

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## EDUCATION

- **LDRP-Institute Of Technology Research** Ahmedabad, India  
*B.Tech - Computer Engineering; GPA: 7.86* July 2018 - June 2022  
*Course work:* Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Natural Language Processing, DBMS, Digital Image Processing.

## SKILLS SUMMARY

- **Languages:** Python, SQL, HTML, CSS, Javascript
- **Frameworks:** Scikit Learn, NLTK, Matplotlib, Seaborn, Plotly, TensorFlow, Pytorch, Flask, Numpy, Scipy
- **Tools:** GIT, PostgreSQL, MySQL, SQLite
- **Platforms:** Tableau, Amazon Web Services, GCP, Windows
- **Soft Skills:** Leadership, Technical Writing, Time Management

## EXPERIENCE

- **Major League Hacking (MLH)** Remote  
*Fellowship* May 2021
  - **Experience:** The MLH Fellowship is a remote internship alternative for aspiring technologists. Explored and learned new tools and technologies by building real-world projects collaboratively with fellows around the globe. Conducted workshops/Show and tells on technical and non-technical topics for community members.

## PROJECTS

- **AgroML** Github  
*Tech: Python, Flask, PyTorch, HTML, CSS, JavaScript, Svelte, Scikit-learn, AWS* June 2021 - Nov 2021
  - **Features:** Full-stack web application Recommendation system has three features Crop Prediction, Crop Yield, and Plant Disease Detection.
  - **Full-stack:** Machine Learning + Deep Learning based web application(Agriculture domain) develop on Svelte and integrated front-end & back-end with FLask API & deployed using AWS(EC2 instance).
  - **ML+DL models:** Crop prediction(Multi-class classification analysis) we used Random Forest gives 99% accuracy Crop yield(Regression analysis) used DecisionTreeRegressor gives 98.2% accuracy & Plant disease used ResNet architecture gives 99.2% accuracy.
- **LSTM-Stock Price Prediction** Kaggle  
*Tech: Python, Scikit-learn, Keras* Sep 2021
  - **Feature:** Predicting future stock price of Axis Bank using Long-Short-Term Memory. Using its recurrent neural network it holds previous connection to store information, LSTM are widely used for sequence prediction and time-series forecasting
- **Pneumonia Diagnosis using Convnet Model** Kaggle  
*Tech: Python, Scikit-learn, Keras, Tensorflow, Matplotlib, Seaborn,* Feb 2021
  - **Feature:** Diagnosing Pneumonia using Convolutional neural network(Convnet model) on Chest X-ray images consists of 5,863 X-ray images categorized into 2 categories (Viral Pneumonia & Bacterial Pneumonia).
  - **Result:** Custom built Convolutional neural network comprise of 3 layers each having Convolution, Activation function & Pooling layer which after testing on image set gives 89.90% accuracy.

## HONORS AND AWARDS

- Kaggle Expert in Kernel section with 7 Bronze medals (Rank:1030/198,504)
- Kaggle Expert in Discussion section with 4 Gold, 4 Silver & 201 Bronze medals (Rank:247/198,504)
- MYSY Scholarship awardee - 2018, 2019, 2020, 2021

## EXTRACURRICULAR ACTIVITIES

- **Technical Writer (Medium)**
  - *Written Technical blogs on topic like "Technologies Used In Nasa's Perseverance rover".*
- **Virtual Work Experience Programs - KPMG(Forage)**
  - *Taking Data Insights on high-value customers based on Data Analytics, Customer Segmentation, Data-driven presentation.*