

Rishi Patel

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Kaggle: **PatelRis**
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EDUCATION

- **LDRP-ITR** June 2018 - June 2022
8.2
Bachelor's of Science in Computer Science
 - **Coursework:** Data Structures & Analysis of Algorithms — Database System Design — Machine learning — Mobile Application Development — Artificial Intelligence — Big Data Analytics
 - **MYSY Scholarship:** Year 2019, Year 2020, Year 2018

PROJECT

- **Amazon Product Review** Nov. 2019
Web scraped product review of consumers from product site.
 - Product review will be used in sentiment analysis of consumer of that product.
- **AgroML** July 2021.
ML + DL based AI application for crop prediction and plant disease detection.
 - In crop recommendation application, the user can provide the parameters like N-P-K, temp, humidity, pH, rainfall, crop from their side and the application will predict which crop should the user grow.
 - we have used ML algorithms like Logistic regression, KNN, Decision Tree, Random Forest, SVM, Naive Bayes Classifier, XGBoost.
 - Plant disease detection uses Deep Learning state of the art architecture ResNet.
 - Deployment is done with Amazon Web Services by initiating EC2 instance.
- **NLP Text Classification** Aug 2021
Text classification of sms to check spam/ham
 - Natural Language Processing used for text classification using NLTK and scikit learn.
 - State of the art algorithms like K Nearest Neighbors, Decision Tree, Random Forest, Logistic Regression, Naive Bayes, SVM Linear
- **Traffic Sign Recognition** July 2021.
Convolutional Neural Network based GUI application.
 - CNN model based GUI application develop to classify traffic signals.
 - we have build CNN model by using ReLu activation function and by applying different pooling layer in architecture.
 - Our model get 95 percent accuracy on the training dataset.

LEADERSHIP ACTIVITIES

- **Xenesis** LDRP-ITR
Aug. 2019 - Present
Associate event organiser
 - Successfully conducted technical, quiz, extracurricular activities/events in my college.
 - Organised an hackathon which is participated by many peers from different universities/college from our city.
- **SSIP Hackathon India** Gujarat
Mar. 2020
Team leader
 - In hackathon our team showcased mobile application for health tracking of student.
 - The data stored in database can get access by the doctors to track the student health cycle.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Java, Python, C++, C, HTML/CSS, SQL
- **Frameworks:** Scikit learn, Pandas, Numpy, Matplotlib, Seaborn, Pytorch, Keras, Tensorflow, NLTK
- **Databases and Infrastructure:** MySQL, PostgreSQL, AWS, Microsoft Azure
- **Tools & Miscellaneous:** Microsoft Excel, Microsoft word, Git, bash, REST API, Docker, Postman, Power BI, Tableau, Classical Algorithms & Data Structures, Github, Figma.