

Rahul Kumar

Indian Institute Of Technology Patna

As a student, I am always energetic and eager to learn new skills. I have strong coding ability both in producing clean and efficient code as well as debugging and understanding large code bases. I have experience of modern source control(Git). I have also experience with independent and team-based work and I see the value in both approaches.



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🌐 rahuls321.github.io/resume/

🐙 github.com/rahuls321

EDUCATION

Bachelor Of Technology

Electrical Engineering, IIT PATNA [🔗](#)

04/2016 – Present

CPI - 7.13

Intermediate/+2

Adarsh Vikas Vidyalaya (CBSE) [🔗](#)

05/2014 – 04/2016

Score - 90.2%

PERSONAL PROJECTS

Online Feature Selection (08/2018 – 04/2019) [🔗](#)

- To select a set of prominent features which best describe the data to improve the efficiency without degrading the accuracy of the model. Online feature selection strategies become popular to handle this problem in an online fashion.

Hardware Security (02/2019 – 05/2019) [🔗](#)

- Ring oscillator (RO) based physical unclonable function (PUF) which is resilient against noise impacts and with the very high-temperature stability.

Digit Recognizer [🔗](#)

- To correctly identify digits from a dataset of tens of thousands of handwritten images using Convolution Neural Network.

RESEARCH INTERNSHIP

Multi-Task Learning For Automated Essay Scoring

IIT BOMBAY [🔗](#)

05/2019 – 07/2019

Powai, Mumbai

Tasks

- Designed a deep multi-task learning model for Automated Essay Scoring.
- Enhanced the baseline model with multi-task learning, using the attribute scores of the essays like language fluency, vocabulary, structure, organization, content, etc.
- The multi-task learning model performed well in all 8 prompts of the ASAP++ competition datasets.

Guide: Prof. Pushpak Bhattacharyya, Department of Computer Science and Engineering, IIT Bombay

TECHNICAL SKILLS

C++

Python

Keras

NumPy

Scikit-Learn

Git and GitHub

MATLAB

Verilog

Ubuntu

Heroku

POSITION OF RESPONSIBILITY

Sub-Coordinator in SPARKONICS (04/2017 – 04/2018)

Electrical Club at IIT Patna - As a mentor in Learning division

PUBLICATION

Online Feature Selection for Multi-label Classification in Multiobjective Optimization Framework

Description - It addresses the online feature selection problem in multi-label classification framework where multi-labeled data with features arriving in an online fashion is considered as input.

CERTIFICATES

Multi-Task Learning For Automated Essay Scoring

Machine Learning and it's Role in IOT Analytics (GIAN) [🔗](#)

Applications of Bio-Medical Signal Processing Techniques in Healthcare (CEP) [🔗](#)

LANGUAGES

English



Hindi



INTERESTS

Machine Learning

Deep Learning

Natural Language Processing

Image Processing

Pattern Recognition