

# RAJ KISHORE PATRA

Software Engineer, Data Analyst & Tech Geek

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Bhubaneswar, Odisha, IN



## ABOUT

- Inquisitive, hard working and consistent. Described as reliable, diligent with a knack for solving problems.
- Well developed analytical and logical problem-solving, communication and interpersonal skills.

## EXPERIENCE

### Software Development Intern

#### Dell Technologies

February 2021 – May 2021 Hyderabad, IN

- Designed and developed a Sub-Categorizer Model on top of the existing Categorizer Model.
- Built independent APIs for both models to facilitate various functionalities such as Training, Predictions and Updation of training data.

### Summer Intern

#### Dell Technologies

May 2020 – July 2020 Hyderabad, IN

- Had the responsibility for CSAT Insights Tool Redesign and Enhancements.
- Automated the prediction model used in market research and scaled the model to work on different hierarchical data levels.
- Reduced the model error from an average of 3% to 0.5%.
- Designed the dashboard where the data strategy team can absorb the results.

## EDUCATION

### B.Tech. in Electronics and Telecommunication

#### IIIT Bhubaneswar

Aug 2017 – June 2021 Bhubaneswar, IN

CGPA : 8.2/10.0

### 10+2 Senior Secondary College in Basic Sciences

#### Khallikote University

June 2015 – May 2017 Brahmapur, IN

Score : 82.5%

## LIFE PHILOSOPHY

*"Wherever you go, leave your mark behind."*

## TECHNICAL SKILLS

### Languages

- Python, R
- C++, Java

### Data Preprocessing

- Numpy
- Pandas

### Data Visualization

- Power BI
- Seaborn

### Machine Learning

- Sci-Kit Learn, Statsmodels
- Keras, Tensorflow, OpenCV2

### Backend Development

- Flask
- Django
- NodeJS

### Version Control

- Git
- Github, Gitlab

### Miscellaneous

- Postman (DevOps)
- Sphinx (Documentation)

## PROJECTS

### Telegram Bots

#### Nicole and Genesis

- Nicole is a Telegram chat bot offering its native chatter bot abilities along with a collection of fun interactions taking the help of various public APIs and services.
- Genesis is a digital librarian. An Inline Telegram bot that helps you download books/articles from the infamous website The Library Genesis.
- Tech Stack : Python, Telegram Bot API.

### Emotions Detector

#### Using OpenCV and CNN

- Successfully developed a CNN model using OpenCV to extract facial features from a detected face from a live feed to detect Emotions and display it on a Tkinter GUI.
- Tech Stack : OpenCV, Keras, Tensorflow Backend, Tkinter.

### CanSAT Development

#### Cansat Competition 2019

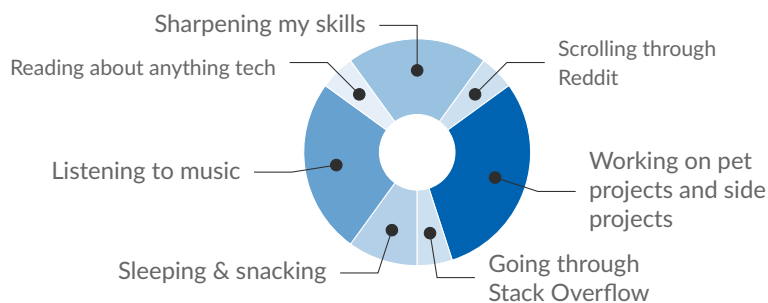
- Designed and developed a miniature can sized satellite model for logging bio signs at an altitude of 1Km and participated in Cansat 2019 Competition.
- Bagged 66th International Rank - Annual CANSAT Competition conducted by the American Astronomical Society (AAS).

### Reinforcement Learning on Games

#### Using OpenCV in Python

- Successfully applied Reinforcement Learning to Flappy Bird and Chrome Dino using ConvNets and Deep Learning in Python.
- Tech Stack : OpenCV, Pygame, Keras, Tensorflow Backend

## A DAY OF MY LIFE



## LANGUAGES

### English

- Full Professional Proficiency

### Hindi

- Bilingual Proficiency

### Odia

- Native or Bilingual Proficiency

## PERSONALITY SKILLS

- Avid Reader and Logical Thinker
- Responsible Leader and Mentor
- Coherent Communicator
- Efficient Strategy Planner
- Proficient in Presentation and Documentation

## HOBBIES / INTERESTS

- Building stuff that make daily life easy
- Listening to Alternate Rock, Pop and Hip Hop
- Reading Sci-fi Novels, Tech Blogs
- Astronomy and Astrophysics
- Learning about human psychology
- Watching thriller movies, shows
- GUI Designing