

RAJ KISHORE PATRA

Aspiring Software Engineer, Data Analyst & Tech Geek

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Bhubaneswar, Odisha, IN
Shakti Nagar, 2nd Street, Brahmapur, Odisha, IN



ABOUT

- A Python Developer, an IoT Admirer, a CanSAT Enthusiast and a Machine Learning Engineer.
- 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

- Designing a Sub-Categorizer Model on top of the existing Categorizer Model.
- Building 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.

Industrial Trainee

National Aluminium Company Limited

May 2018 – July 2018 Damanjodi, IN

- Gained knowledge about Industrial working from professionals.
- Gained hands-on knowledge about the automated segments of the plant; sensors and instruments used in the aluminium plant.

EDUCATION

B.Tech. in Electronics and Telecommunication

IIIT Bhubaneswar

Aug 2017 – June 2021 (Expt.) 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."

PERSONALITY SKILLS

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

TECHNICAL SKILLS

Python



Data Preprocessing



- Numpy
- Pandas

Data Visualization



- Power BI
- Seaborn

Machine Learning



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

Backend Development



- Flask
- Django

GUI Development



- Qt5
- Tkinter

Version Control



- Git
- Github, Gitlab

Java, C++



PROJECTS

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.
- Frameworks used : 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).

Chatbot

Using AIML in Python

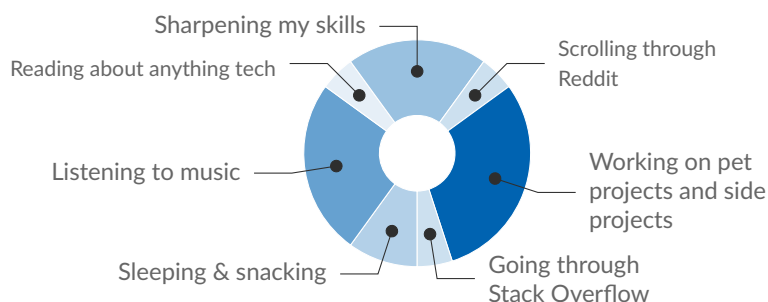
- Successfully conceptualized and engineered a Chatbot in Python3 using AIML wrapped in a GUI made with the help of Tkinter in Python.
- Frameworks used : Tkinter, AIML

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.
- Frameworks used : OpenCV, Pygame, Keras, Tensorflow Backend

A DAY OF MY LIFE



LANGUAGES

English

- Full Professional Proficiency

Hindi

- Bilingual Proficiency

Odia

- Native or Bilingual Proficiency

HOBBIES / INTERESTS

- 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
- Cooking
- GUI Designing

EXTRACURRICULAR

Secretary

@ Tech Society, IIIT Bh

- ✉ Responsible for conducting events, workshops, tech talks and competitions in the campus.

Advaita Core Team

@ Techno-Cult Fest, IIIT Bh

- ✉ Conducted and managed various tech related competitions, workshops and tech talks.

Mentor

@ CANSAT Development Team, IIIT Bh

- ✉ Varied responsibilities from assigning tasks to different team members to keep a track of the schedule of the project timeline for future CanSAT missions.