

Raj Das

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EDUCATION

VSSUT, BURLA

B.TECH (MME) | 2018-2022

CGPA: 8.18

D.A.V. PUBLIC SCHOOL, PKT

INTERMEDIATE | 2018

Percentage: 77.6%

D.A.V. PUBLIC SCHOOL, PKT

HIGH SCHOOL | 2016

CGPA: 9.4

LINKS

Website:// bit.ly/rajdas293

Github:// [rajdas2001](https://github.com/rajdas2001)

LinkedIn:// [rajdas293](https://www.linkedin.com/in/rajdas293)

COURSEWORK

- Machine Learning Specialization
- Machine Learning and Deep Learning
- Introduction to Python for Data Science
- Data Science
- Introduction to Git and GitHub
- Responsive Web Design
- Python

SKILLS

- Python
- C/C++
- SQL
- Deep Learning
- Machine Learning
- Data Science
- Microsoft Power BI
- Microsoft Excel
- Web Development
- Git and GitHub
- Arduino

LANGUAGES

- English
- Hindi
- Odia

PROJECTS

HUMAN SENTIMENT ANALYZER

Developed a text classification model using TextBlob and NLTK that can take in a query and provide a polarity for the same like Positive, Negative or Neutral. The project can be used for Preventing Cyberbullying, Brand/Product Analysis and Feedback Form Analysis.

- Finalist, Maker Mela Mumbai 2020, 2021
- Winner (1st Prize), VSSUT InnoBuzz 2020

ADVANCED CHARACTERIZATION AND CLASSIFICATION OF COAL USING MACHINE LEARNING

Developed a model using Random Forest Classifier to classify coal into various categories like Anthracite, Bituminous, Lignite etc. and then predict their Calorific Value using Linear Regression.

- Shortlisted for Mind Over Matter by TATA Steel

CRACK DETECTION ON CONCRETE SURFACES

Developed a model to classify Cracks on Concrete Surfaces for early crack detection and maintenance of the Hirakud Dam. The model is built on top of a pre-trained CNN model called Inception. Transfer Learning was used to train the model.

VSSUT SATELLITE LAUNCH VEHICLE

Built a sounding rocket with my team. I served the team in the Coding and Electronics domain by building Electronic Subsystems for the rocket, Data Acquisition tools and building Machine Learning Models for predictive analysis.

- Registered as India's First student body to launch model sounding rockets in Limca book of Records and India book of records.
- Signed an MOU with Indian Space Research Organisation (ISRO) in 2020.

EXPERIENCE

ISRO VSSUT SPACE INNOVATION CENTRE

CORE TECHNICAL MEMBER (AVIONICS)

I was a member of ISRO VSSUT Space Innovation Centre and a Core Technical Member of Idea Innovation Cell, the official Innovation Cell of VSSUT, Burla. I served the team in the Coding and Electronics domain by building Electronic Subsystems for the rocket, Data Acquisition tools and building Machine Learning Models for predictive analysis.

BSNL LTD

INTERN

This was a remote internship for 15 days. We were assigned tasks on the Basics of IP Networking.

QUIZZINE

HEAD COORDINATOR

I served as the Coordinator of Quizzine, the official quiz club of VSSUT, Burla.

AWARDS AND RECOGNITION

- Obtained a 5 star gold badge in Python (HackerRank).
- Top 100 in Sweden India Nobel Memorial Quiz (2020).
- Regional Winner of TCS IT WIZ 2017.