

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

WIPRO

DATA SCIENTIST

Mar 2023 - Present | Bengaluru, India

ISRO VSSUT SPACE INNOVATION CENTRE

CORE TECHNICAL MEMBER (AVIONICS)

2019 - 2022 | Sambalpur, India

- Led a team that built Electronic Subsystems, Data Acquisition Tools and Machine Learning Models for Sounding Rockets.

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.