



Nikunj Jain

B.Tech – Computer Science Engineering – IIT (ISM) Dhanbad

Portfolio: <https://nikunj2012jain.github.io/Latest-Portfolio/>



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PROJECTS

Jade Beach Resort — Web Development

- An informatory website about a resort, constructed using React, having many unique features like simultaneous multiple sorting over the types of rooms, based on price, occupancy, breakfast, etc. which in turn helps cater to every customer's own unique styles and needs.
- The website can either use local data or customer allotted data through contentful to display information on the website.
- Uses react context API to create global variables that can be passed around in a react app.

Link: <https://github.com/nikunj2012jain/Beach-Resort-Website>

Website: <https://jademaldivesresort27.herokuapp.com/>

Malaria Detection — Machine Learning

- The project aims at recognizing malaria parasitized cells.
- The colored image dataset is first converted to black and white, then through contour detection 5 areas are calculated.
- This data is fed into RandomForestClassifier which returns our desired data.

Link: <https://github.com/nikunj2012jain/Malaria-Detection>

Image Classifier using CNN — Machine Learning

- This is a multiclass image classifier which predicts the input object from 10 different classes of the CIFAR-10 dataset.
- The model is based on CNN architecture with an accuracy of over 76% in 10 epochs. The accuracy improves on increasing the number of epochs to 25.

Link: <https://github.com/nikunj2012jain/Image-Classifier>

SPORTS PROGRAMMING

- Codechef: User: [j_nikunj](#) Rating: 1768 (max- 1768)
- Hackerrank User: [j_nikunj](#)
6 star Gold Badge in problem solving
5 star Gold Badge in Python
- Codeforces User: [nikunj__j](#) Rating: 1690 (max-1690)

EDUCATION

Indian Institute of Technology (ISM), Dhanbad — Bachelor of Technology in Computer Science Engineering

JULY 2018 - MAY 2022 CGPA – 7.23

The Shishukunj International School, Indore

12th - APRIL 2017 - APRIL 2018 - 90.8%

10th - APRIL 2015 - APRIL 2016 - CGPA- 10

SKILLS

- **Programming Languages** : C++, C, HTML, CSS, Python, Javascript, JQuery
- **Software Development**: Web Development, Machine Learning
- **Frameworks**: React, Redux, Keras, Tensorflow
- **Other Skills**: Data Structures, Algorithms, Adobe Premiere Pro, Adobe Photoshop cc, Trading (cryptocurrency)

ACHIEVEMENTS

- JEE ADVANCED All India Rank: 2453
- JEE MAINS All India Rank: 3514
- Scored 379 marks out of 450 in BITSAT
- NSO level 2 qualified, State Rank 2
- Secured 7th rank in CodeMarathon

POSITIONS OF RESPONSIBILITY

- Member of **Association for Computing Machinery**
- Designing member of **Concetto'19**, The Annual Techfest of IIT Dhanbad
- Member of **Fast Forward India**, NGO
- Organizer, **Srijan**, The Cultural fest of IIT Dhanbad

EXTRACURRICULARS

- **Abhay Dramatics Club**, active member (director/writer of the winning Inter-IIT street play, 2019 (held in IIT Bombay), have been a part of 6 full length inhouse productions)
- **Actor, Lights Camera ISM** (won the Inter-IIT Film Making Competition, 2019 (held in IIT Bombay))
- Former member of the Students Council
- Model United Nation Conferences
- Member of NSS