

Addepalli Bharat Sai

Final Year B.Tech Undergraduate | Bioengineering | IIT Jodhpur
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EDUCATION

IIT JODHPUR

B.TECH IN BIOENGINEERING
2019-2023*
CGPA: 8.19 / 10.0

SRI CHAITANYA JR. COLLEGE

Visakhapatnam, India
Grad. April 2019
XII : 97.0 Percent

K.V. MALKAPURAM

Visakhapatnam, India
Grad. April 2017
X : CGPA: 10 / 10

LINKS

Github:// [ABharatSai](#)
LinkedIn:// [ABharatSai](#)
Hackerrank:// [ABharatSai](#)
GfG:// [ABharatSai](#)
Leetcode:// [ABharatSai](#)

SKILLS

LANGUAGES

Proficient: • C • C++ • Python
Familiar: • JavaScript

WEB

• HTML • CSS • Bootstrap
• Django Framework • SQL
• Git • Latex

MACHINE LEARNING

• Numpy • Pandas • Pytorch
• Keras • Scikit-Learn
• Matplotlib

COURSEWORK

UNDERGRADUATE

• Introduction to Computer Science
• Introduction to Machine Learning
• Data Structure and Algorithms
• Deep Learning
• Linear Algebra
• Single and Multivariable Calculus
• Complex analysis and Differential Equations
• Probability, Statistics and Stochastic process

PROJECTS

SENTIMENT ANALYSIS USING NLP | DECEMBER 2020 - FEBRUARY 2021 | IPYTHON, SCIKIT-LEARN, NLTK

COURSE Project | Dr. Yashaswi Verma | IIT Jodhpur | [Github](#)

- Preprocessed the IMDb data with nltk library for NLP
- Implemented binary classification using Naive Bayes, Random Forest and Logistic Regression
- Obtained a maximum accuracy of 89.48% upon testing the data which is obtained from the Stanford university

CROWDSOURCED PARTICIPATORY MEDICINE FRAMEWORK |

JUNE 2021 - ONGOING | HTML, CSS, DJANGO, NLP, SciSPACY

Design Project | Dr. Mitali Mukerji | IIT Jodhpur | [Website](#)

- Led a team of 8 members for Ideation and created a everyone friendly website and deployed website in Heroku.
- For getting better insights we created a webcrawler for Reddit which gave us nearly 1000 responses
- The insights were used to collect the Biological NER using SciSpacy which gave us symptoms, organs affected, medicines they took and many more

COVID-19 DETECTION FROM X-RAYS | JANUARY 2022 - APRIL 2022

| PYTORCH, IPYTHON, SCIKIT-LEARN, RESNET

COURSE Project | Mayank Vatsa | IIT Jodhpur | [Github](#)

- Preprocessed the X-Ray images and applied some data augmentation techniques with the help of Pytorch a deep learning framework
- Implemented the RESNET-18 pretrained model on the dataset from the COVID19 Radiography dataset
- Obtained a maximum accuracy of 84.7% upon testing the data

SIMPLE BLOG | APRIL 2022 - MAY 2022 | PYTHON, DJANGO, SQLITE3,

FROALA EDITOR | SELF PROJECT | HEROKU [Website](#)

- It contains a view for opening in new single page and addition to the blog with the help of admin interface, where Froala editor will provide basic MS. Word capabilities in our blog
- Deployed in heroku and code is also available in github

ACHIEVEMENTS

- Current Department Rank 4 of Bioengineering branch
- Rank of 626 out of 1,85,711 students in AP-EAMCET'19 examination
- Top 1.5% percentile of total 1.3 million Applicants of JEE-2019
- Rank of 2754 out of 1,80,752 students in JEE-B.Arch 2019 examination

EXTRACURRICULARS

- Core member of the Science Club of the Board of co-curricular Affairs
- Member of Technical Events team for the Annual Socio-Cultural Fest, IGNUS'20 of IIT Jodhpur
- Member of Public Relations team for the Annual Technical Fest, Prometeo'20 of IIT Jodhpur
- Secured 2nd position in the Poster design competition on the occasion of the 72nd Republic day celebration