ADDEPALLI BHARAT SAI

Final Year Student at IIT Jodhpur

📞 +919352229646 ✉ sai.2@iitj.ac.in in linkedin.com/in/ABharatSai ⊙ github.com/ABharatSai 👤 Portfolio

EDUCATION

Indian Institute of Technology Jodhpur **July 2019 – May 2023**
Bachelor of Technology in Bioengineering, CGPA: 8.19/10 *Jodhpur, India*

Sri Chaitanya Jr. College **July 2017 – April 2019**
Class XIIth (BIEAP), Percentage: 97.0% *Visakhapatnam, India*

K. V. Malkapuram, Visakhapatnam **June 2009 – April 2017**
Class Xth (CBSE), CGPA: 10/10 *Visakhapatnam, India*

TECHNICAL SKILLS

Languages: C, C++. Python, HTML, JavaScript
Web Development: Django, CSS, Figma, Bootstrap
Machine Learning/ Data Science: NumPy, Pandas, MatplotLib, Scikit-Learn, Seaborn, Pytorch, Keras, MS Excel, SQL
Other Tools/Technologies: Git and GitHub, Visual Studio, Google Suite and Microsoft Office

B. TECH PROJECT

Cancer APP⧉ | *Dr. Siddharth Srivastava, BTP* **August 2022 – November 2022**
- Main motive to help the Oncologists in selecting the genes for biomarker testing and gives them the treatment on the basis of the oncoKB level of FDA evidence
- Simplifing the available resources and giving the user the fast and reliable solution. Made the design, structuring, and framework specifically for the pancreatic adenocarcinoma
- **Tech Stack** : Flutter, Dart, Android Studio, C++, CMake

PROJECTS

Sentiment Analysis using NLP⧉ | *Dr. Yashaswi Verma, ML Course Project* **December 2020 – February 2021**
- Performed a task in text sentiment analysis – predicted helpfulness of IMDB movie reviews based on various semantic scores. 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⧉ | *Dr. Mitali Mukerji, Design Project* **July 2021 – July 2022**
- 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
- These insights were used to collect the Biological Named Entitites using SciSpacy which thereby given us symptoms, organs affected, medicines they took and many more

COVID-19 Detection From X-Rays⧉ | *Dr. Mayank Vatsa, DL Course Project* **April 2022 – May 2022**
- Preprocessed the X-Ray images and applied some data augumentation 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

Virtual Lab in the Field of Bioinformatics⧉ | *Dr. Sucharita Dey, Design Project* **September 2022 – November 2022**
- Developed a everyone friendly website for the protein 3D structure analysis, with step-by-step procedure to use Molstar from PDB ID, with the molstar simulation embedded onto the website
- **Tech Stack** : HTML, CSS, JavaScript, Molstar

RELEVANT COURSEWORK

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

ACHEIVEMENTS/ EXTRACURRICULARS

- Current Department Rank 4 of Bioscience and Bioengineering branch
- Achieved a Rank of 626 out of 1,85,711 students in AP-EAMCET'19 examination
- Among the top 1.5% percentile of total 1.3 million Applicants of JEE-2019
- Achieved a Rank of 2754 out of 1,80,752 students in JEE-B.Arch 2019 examination
- 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 72'nd Republic day celebration