Arju BANO

Research Scholar | Indian Institute of Technology(Indian School of Mines), Dhanbad

@ 22dr0024@iitism.ac.in   % aulphin.github.io/arju.github.io/
⚲ Department of Computer Science and Engineering, Indian Institute of Technology Dhanbad, 826004
ℹ Current CGPA: 8.60

I am currently pursuing doctoral research, aiming to improve the accuracy and efficiency of medical image analysis, ultimately improving Healthcare technology under the guidance of Dr.Monidipa Das at IIT Dhanbad

⌨ PROJECTS

- *IOT based Fall Detection system for Healthcare using 6-axis accelerometer and gyroscope sensor*
  `HealthCare` `Sensor`   ○ ☑ Jan 2023 - Apr 2023

- *Efficient Detection Approach of Driver- Drowsiness using Multiple Convolutionary Haar Cascade Kernelized CNN (MCHC-KCNN)*
  `CNN` `ML` `Image Processing`   ○ ☑ Jan 2021 - Apr 2021

- *Vehicle price prediction on the basis of different features ML Model Random Forest is used to predict the price*
  `Random Forest model`   ○ ☑ Oct 2020 - Nov 2020

- *Designed website of Travel and Tourism using python technology in Django Framework*
  `Python` `Django`   ○ ☑ May 2019 - July 2019

📖 JOURNALS AND CONFERENCES

2021   Arju Bano,Akash Saxena and Gaurav K.R. Das, "An Efficient Detection Approach of Driver- Drowsiness using Multiple Convolutionary Haar-Cascade Kernelized CNN (MCHC-KCNN) Algorithm", ICTACT JOURNAL ON DATA SCIENCE AND MACHINE LEARNING(IJDSML),VOLUME: 02, ISSUE: 02, pp.165-171, March 2021.

2021   Arju Bano,Akash Saxena and Gaurav K.R. Das, "A Comparative Analysis of using Various Machine learning Techniques based on Drowsy Driver Detection", IOP Conference Series: Materials Science and Engineering(ICAMCM), (presented) March 2021.

🎓 CODING CERTIFICATIONS

2023   Python 4-Star Coder,**Hacker-Rank(Coding Platform)**

2019   Python, **C-DAC ATC (Jaipur-Branch)**

2018   Java(Core),**Compucom Software Limited**

2017   DSA, **12th rank in Code Marathon (Coding Challenge) conducted by Rajasthan Technical University at State Level**

2015   C++, **Image IT Solutions Private Limited**

🎓 WORKSHOP AND ACTIVITIES

2023   Successfully participated in "International Conference on Recent Advances in Information Technology" organised by IIT (ISM) Dhanbad; co-sponsored by IEEE Kolkata

2023   Successfully participated in "International Workshop on Machine Intelligence" organised by IDEAS- Technology Innovation Hub; ISI,Kolkata

2020   Successfully participated in Workshop on "Applications of Machine Learning and Data Science" Organised by Rajasthan Technical University, Kota

2020   Successfully participated in Webinar on "Future Aspects of Computer Science Engineering" Organised by Regional College, Jaipur

❝ REFERENCES

- Dr. Monidipa Das, Assistant Professor, CSE, IIT(ISM) Dhanbad @ monidipa@iitism.ac.in
- Dr. Tarachand Amgoth, Associate Professor, CSE, IIT(ISM) Dhanbad @ tarachand@iitism.ac.in
- Dr.Akash Saxena, Professor, CSE CITM College, Jaipur @ akash27jaipur@gmail.com

🎓 EDUCATION

M.Tech - Computer Science and Engineering
Compucom Institute of Technology and Management,Jaipur (CITM).
📅 2018 – 2021   ℹ CGPA: 7.5

B.Tech -Computer Science and Engineering
Compucom Institute of Technology and Management,Jaipur (CITM).
📅 2014 – 2018   ℹ CGPA: 8.64

💼 EXPERIENCE

Indian Institute of Technology(Indian School Of Mines), Dhanbad
Teaching Assistant
📅 August 2022 – Present

NetParam Technologies Private Limited (C-DAC ATC, Jaipur)
Python- Trainee
📅 May 2019 - July 2019

Compucom Software Limited, Jaipur
Java Developer-Intern
📅 Feb 2018 - April 2018

IMAGE IT Solutions Private Limited
OOPS-Trainee
📅 August 2015 - October 2015

🏆 CERTIFICATE AND RECOGNITIONS

2022   **UGC-NET Qualified**
Ministry of Education, Government of India

2019   **GATE Qualified**
Stream-Computer Science and Engineering

2016   **Certified on CAD DESK TECHNO QUIZ Competition by CAD DESK**
at District level

2016   **2nd rank in Essay Competition by Abhivyakti(Science for Social Values)**
at State Level

2016   **2nd rank in Poster Presentation by CITM College,Jaipur**
at National Level Intra Project and Poster Exhibition

2015   **2nd rank in Debate Competition by Bank of Baroda,**
at Regional Level

2015   **Certified on Black-White(Toggle) Competition by IIS University**
at Inter-College Level