Mainak Chakraborty

Website | Linkedin | Github |ORCID |

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EDUCATION

Indian Institute of Technology, Delhi **Delhi, India**
PhD Student August 2021 - current
Centre for Sensors, Instrumentation and Cyber Physical System Engineering-9.07/10GPA

Institute Fellowship - Teaching Assistantship

Indian Institute of Engineering Science and Technology, Shibpur **Shibpur, India**
Master of Technology in Mechatronics and Robotics– 9.07/10.0 GPA *June 2019 – June 2021*

MHRD Fellowship (GATE)

EXPERIENCE

Etaaide [Earlier Intelvib] **Delhi, India**
Product Architect *December 2021 - August 2022*

Remo Care **Bangalore, India**
Artificial Intelligence Intern *May 2021 – November 2021*

CSIR-Central Mechanical Engineering Research Institute **Durgapur, India**
Research Assistant *June 2020 - August 2021*

Achievements and Events :

- Aug 2022 : Selected for The Harvard College Project for Asian and International Relations (HPAIR)- 2022
- July 2022 : Selected for Eastern European Machine Learning Summer School, Lithuania- 2022
- 2021: Selected for incubation and mentorship at IIT-Mandi(TIDE2.0), and IIM-B (NSRCEL)
- 2020: Selected for Research Assistantship(RA) at CSIR-CMERI
- 2020 : Teaching Assistantship(TA) at MC5173 Automation and Robotics lab
- 2019-2021: GATE fellowship (within top 6% among 167376 candidates)
- 2015: ASDC Scholarship

Technical Skills :

- **Area of Expertise** : Embedded ML, Statistics, Machine learning(ML), Deep Learning(DL), Internet-of-things
- **Tools** : MATLAB, Latex, Tensorflow, Pytorch, Scikit-Learn, Numpy, Pandas, Matplotlib
- **Databases** : MySQL, MongoDB
- **Languages Known** : C, C++, Python, HTML, Java Script

ACADEMIC PUBLICATIONS AND PATENT

1. M. Chakraborty, S. A, S. Reddy, S. Kumar Mandal and S. Bhaumik, "Human Action Classification using seismic sensor and machine learning techniques," 2021 5th International Conference on Information Systems and Computer Networks (ISCON), 2021, pp. 1-6, doi: 10.1109/ISCON52037.2021.9702317
2. M. Chakraborty, M. Das and S. Aruchamy, "Micro-Seismic Event Detection using statistical feature extraction and machine learning techniques," 2022 IEEE 7th International conference for Convergence in Technology (I2CT), 2022, pp. 1-5, doi: 10.1109/I2CT54291.2022.9824819.
3. Patent application Number : 202231028771. “An early micro-seismic event detection module”-2022. Mainak Chakraborty.