

MithunMajumdar

contact

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languages

English
 Bengali
 Hindi

Skills

Python
 Matlab
 C/C++,
 Core Java
 Android
 Medical Image Processing
 Machine learning
 computer vision
 Data Structure
 Algorithms

Achievements

1: Secured 3rd in PHP_MYSQL Coding Contest which is organized by Mizoram University
2: Amul Vidya Shree award for secured 1st position in **our school** during M.P examination

Interest

Image processing
 Natural Language Processing
 Speech recognition
 Coding,
 Reading Online Articles,
 Watching Movie

Work Experiences

- 2021-TillNow **Junior Research Fellow, Full Time** IIT ISM, Dhanbad
 "To develop an Artificial Intelligence (AI) based machine learning solutions to enable prediction of occurrence of fire in Open cast mines extracting locked coal pillars with safety"
- 2021-TillNow **AI Intern, Part-Time** HAIX, UK
 NLP-based Model Building and Brings New Research work (Open-Source) into API based Production. Back-end Work

Education

- 2021 **M.Tech** in Statistical Computing (7.39 CPI out of 9) Jawaharlal Nehru University
- 2018 **B.Tech** in Information Technology (8.56 CPI out of 10) Mizoram University
- 2013 **H.S.E** in Islampur High School (71.40%) W.B.C.H.S.E
- 2011 **M.P** in Darivit High School (72.88%) W.B.B.S.E

Dissertation

- M.Tech **Computer Aided Segmentation of Oral Mucosa to Detect Cancer** Jawaharlal Nehru University
 In this dissertation, we developed an effective approach capable of identifying oral squamous cell carcinoma in the epithelium layer of histopathological images of oral mucosa with more accuracy. The work help to identify how selecting initial centroid for k-means improved the classification accuracy.
- B.Tech **Various Method of Image Segmentation** Mizoram University
 In this dissertation, we developed some of existing segmentation and implemented it on various type of data.The work contain K-means algorithm, Edge Detection using Haar Wavelet, Fuzzy logic, Robert, Pewit, Sobel Operator.We performed different type of smoothing filter like Gaussian, High Pass filter.

Projects

- M.Tech **Environmental Factors Detecting By Sensor** Jawaharlal Nehru University
 Two type of functionality, we developed: Detect sensor data and store it memory card.The component used in this proposed system are Arduino UNO, Gas sensors(MQ-7, MQ-135) and Micro SD card Adapter.
- B.Tech **A social app name WITHYOU** Mizoram University
 The main motivation behind the WITHYOU is established communication between the Patient and Doctor.Technologies used Xampp server and Mysql database for storing all the data. Android that contains XML And java, PHP for connectivity for database.

Training

NIIT	Trainee	South Extension-2, New Delhi, India
	Training on Developing Mobile Apps for Android Platform.	
CMC	Trainee	Park Street, Kolkata, India
	Learn and implement Core Java with small project of database connection	
Techno Club	Management	Mizoram University
	Handling various events organized by Techno Club which is a technical club of university	