

## CURRICULUM VITAE

### ACHYUT CH. HALOI

M. Tech (Computational Seismology)  
M.Sc. (Physics with Electronics)  
Tezpur University (A Central University)  
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Contact No. 08638121078/09401975495



### OBJECTIVE

Seeking a position offering career opportunities for personal contribution and professional growth utilizing my technical knowledge in the field of relevant field of Physics and other related subjects, anywhere either in Assam or India.

### EDUCATION PROFILE

Exams	Year	Board/University	Division/Class	Subjects
M.Tech.	2008	Tezpur University	Ist Class	Computational Seismology
B.Ed.	2019	Guwahati University	Ist Class	Maths, Assamese & all other subjects
M.Sc.	2006	Tezpur University	Ist Class	Physics (Electronics and Photonics)
B.Sc	2004	Guwahati University	2 <sup>nd</sup> Class	Physics(Major), Maths, Statistics, English
H.S.	2001	R.H.S.S	2 <sup>nd</sup> Class	Physics, Chemistry, Maths, English, Assamese
H.S.L.C.	1999	S.S.S.H.S	Ist Class	Maths, English, Assamese, Hindi, Science, Social Studies

*More than twelve years' experience in various educational institutes including six month research experience in **NATIONAL GEOPHYSICAL RESEARCH INSTITUTE, HYDERBAD**. Currently working as a **LABORATORY OFFICER** in the Dept. of physics in **UNIVERSITY OF SCIENCE AND TECHNOLOGY MEGHALAYA, Since 2018**.*

I have completed one year M. Tech dissertation entitling “Seismic **Data Processing to calculate Velocity Model (1D as well as Seismicity) using Local Earthquake Tomography of Central Himalaya**” at National Geophysical Research Institute (NGRI), Hyderabad under the Guidance of Dr. S. S. Rai Sir. It is a mission mode project governed by Department of Science and Technology (India).

#### **Elective Courses (M.Sc.):**

1. “Communication System” in 3<sup>th</sup> Semester.
2. “Digital Signal Processing” in 4<sup>th</sup> semester

#### **Elective Course (M.Tech.):**

1. “Advances in Seismology” in 2<sup>nd</sup> semester

## PROJECTS UNDERTAKEN (Academic)

### In Master of Science:

1. Title : “Computer Modeling of Nanoparticle”  
Skills : Matlab-7.0  
Responsibilities : Development  
Project Details : The project throws properties on the study of mechanism of Nanoparticle and related parameters. The main objective is to develop Software to show high surface to volume ratio.
2. Title : “Microprocessor Based Traffic Control System”  
Skills : Microprocessor  
Responsibilities : Development  
Project Details : The main objective of the project work includes:  
The project throws lights on the study of mechanism of Microprocessor. The main objective of the project is to develop Software to control Traffic System for three-way junction road.

### In Master of Technology (running):

- Title : “Seismic Data Processing to calculate Velocity Model (1D & 3D) using Local Earthquake Tomography of Central Himalaya.
- Skills : Hypo-center, Hypo-71, VELEST
- Responsibilities : Study Crustal Structure of Central Himalaya
- Project Details : After preliminary locating all Local earthquakes in HYPOCENTER it will be relocated in HYPO-71, HYPO-ELLIPSE etc. to determine Hypocenters and station corrections as the first step in the 3-D modeling process. After that all the earthquakes which have azimuthally gap  $< 180^0$  will be considered for relocating in the VELEST Software. Then Travel time data are JOINTLY INVERTED to obtain 1-D tomographic solution, together with revised hypocenter coordinates and station corrections.

## TECHNICAL WORKSHOP PRESENTED

- DST-Sponsored intensive course on “Elasticity Theory of dislocation and inversion of ground surface strain fields”
- Nanoscience and Technology.

## COMPUTER KNOWLEDGE & OTHER SKILLS

- Programming Languages : C, C++
- Tools/Softwares : Mat lab 7.0, Visual Basic 6.0,
- Seismology Softwares : Seisan, Hypo 71, Map Info 5.0, GMT, Visual Fortran 5.0, Surfer, Grapher
- Operating Systems: Windows 95/98/NT/2000/XP, MS DOS, Linux
- Implementing, Configuring and Maintaining LAN/ Broadband Networks, sound knowledge about system and telecommunication.

## AREA OF INTEREST

Teaching, Reading, Traveling, Playing, Foot-Ball, Computer games

## LANGUAGES PROFICIENCY

- English (Read/Write/Speak)
- Hindi (Read/Write/Speak)
- Assamese (Read/Write/Speak)
- Bengali (Read/Write/Speak)

## PERSONAL INFORMATION

Name : Achyut Ch. Haloi  
Father's Name : Sri Kamaleswar Haloi  
Mother's Name : Sri Padumi Haloi  
Date of Birth : 1<sup>st</sup> Jan. 1984  
Sex : Male  
Category : Schedule Caste  
Marital Status : Married  
Nationality : Indian  
Mother Tongue : Assamese

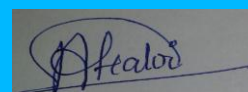
### Addresses for Communication:-

Present Address	Permanent Address
Achyut Ch. Haloi Pub Batahghuli Near public School, Satgaon Guwahati Dispur Kamrup (Assam) Pin 781037 Phone No. 8638121078(M)	Achyut Ch. Haloi Pub Batahghuli Near public School, Satgaon Guwahati Dispur Kamrup (Assam) Pin 781037 Phone No. 9401975495 (R)

### *Declaration*

I hereby declare that all the information mentioned above is true to the best of my knowledge. I will make it my earnest endeavor to discharge competently and carefully the duties you may be pleased to entrust with me.

Date: 12.06.2025  
Place: Panjabari



Signature  
(Achyut Ch. Haloi)