



SUJITH MS

INSPIRE Fellow

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PROFILE

I am a fourth year student pursuing BS MS dual degree at [Department of Earth & Climate Science](#) in [Indian Institute of Science Education and Research \(IISER\), Pune](#). My main interest of study is Reflection Seismology.

ACADEMIC PROFILE

<i>Institute/University</i>	<i>Degree</i>	<i>Year</i>	<i>Percentage/CGPA</i>
Indian Institute of Science Education and Research, Pune	BS-MS	2017-2020	7.8
Pandit Motilal Government Higher Secondary School, Palakkad	10+2 (BHSE, Kerala)	2017	97%
Higher Secondary School, Kuthanur	10 (Kerala)	2015	95%

ACHIEVEMENTS

- Belongs to the top 1% in Higher Secondary Examination, [Board of Higher Secondary Examinations, Kerala](#), 2017.
 - Selected for [INSPIRE Fellowship Program](#), from [Dept. of Science and Technology, Govt. of India](#).
 - First prize in All Kerala Inter School Space Quiz Competition conducted by [VSSC](#), [LPSC](#) & [IISU](#) of [ISRO](#), in Central zone of Kerala and got an opportunity to visit Sriharikota for the launch of [PSLV C-37](#) in 2017.
 - Participated in [INSPIRE Internship Camp](#) 2016, conducted by [Dept. of Science and Technology, Govt. of India](#), on 16-20 Feb 2016 at Sacred Heart College, Thevara, Ernakulam.
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- School level winner in Inter School Quiz Competition BODHA conducted by [Mathrubhumi](#) & Nehru Group of Institutions on 26 Jan 2016.
- Participated in District level *Arogyatharakam* (Quiz on Health & Hygiene), in 2014.
- First place in KPSTU Mega Quiz SWADESH in sub district level in 2014.
- A grade in Maths Single project at sub district level Mathematics Fair on 20-21 Oct 2014.
- Selected as LIC Student of the Year in 2013-14.
- First place in Aksharamuttam Quiz Competition 2014 at school level.
- Participated in Kerala State, Bharat Scouts and Guides State Camporee on 26-30 Dec 2013 at [Kerala Agricultural University, Vellanikkara, Trissur](#).
- Passed Dwitiya Sopan Badge ([Scout & Guides](#)) on 25 Nov 2013.
- Second in Maths Quiz at sub district level Mathematics Fair on 18-19 Oct 2013.
- B grade in Maths Working Model at sub district level Mathematics Fair on 18-19 Oct 2013.

COMPUTATIONAL KNOWLEDGE

- Software Packages
 - * Origin
 - * Qtiplot
 - * Scidavis
 - * L^AT_EX
- Programming Language
 - * Matlab
 - * Python

RELEVANT COURSES

Exploration Seismology, Geoelectromagnetic Exploration, Parameter Estimation & Inverse Theory, Introduction to Geophysics, Numerical Computation using Matlab, Sequence Stratigraphy, Earth and Planetary Materials, Structural Geology, Geochemistry, Sedimentology & Stratigraphy, Igneous & Metamorphic Petrology, Paleobiology, Physics of Atmosphere and Ocean, Earth System I (Introduction to Earth's internal structure and processes), Earth System II (Introduction to Atmosphere and Ocean process), Optics, Linear Algebra, Probability and Statistics, Introduction to Computation (Python).

RESEARCH EXPERIENCES

- Semester project titled "Statistical Estimation of Seismic Source Signature" under Dr. Rahul Dehiya, IISER Pune during Jan-Apr 2020.
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RELEVANT ATTENDED TALKS

- Seminar on *Sub-surface imaging, using passive and active seismic data sets* by Dr. Gaurav Tomar on February 25, 2019.
 - Colloquium on *Archaeo-Genetic Research at the Harappan Site of Rakhigarhi* by Prof Vasant Shinde on November 8, 2019.
 - [Sameeksha 2020](#), an annual event that showcases research work by students, post-doctoral fellows and faculty members of the Department of Earth and Climate Science of IISER Pune on January 11, 2020
 - Seminar on *Gas hydrates: challenges and opportunities* by Dr. Pawan Dewangan on January 30, 2020.
 - Colloquium on *The origins of modern Indian biodiversity: Climate implications* by Prof Ashok Sahni on March 6, 2020.
 - Webinar on *Groundwater monitoring using observations from NASA's Gravity Recovery and Climate Experiment (GRACE) missions* conducted by NASA ARSET on June 25, 2020.
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EXTRA-CURRICULAR ACTIVITIES

- Merchandise and Printing Coordinator of [Karavaan 2019](#), annual socio-cultural science festival of IISER Pune.
- Printing coordinator of Sea Minor 2019, annual drama event organized by IISER Pune.
- Trekking & Travelling.
- Movies and Music.