

** K SRI HARSHA | 12EX20010**

EXPLORATION GEOPHYSICS (M.Sc. 5Y)

**EDUCATION**

**Year Degree/Exam Institute CGPA/Marks**

2017 M.SC(5YR) IIT Kharagpur 7.11 / 10

2011 Intermediate Public Examination Sri Chaitanya Junior Kalasala 89.9%

2009 Secondary School Certificate St. Alphonsas High School 84.67%

**INTERNSHIPS**

DET LABS PVT. LTD. **MAY-JULY 2016 | HYDERABAD**

* Developed a design for Large Scale Feeds for a Social Application
* Realtime synchronization of No-SQL database using Firebase and integrated it with GetStream.
* API Integration and Scraping of website to retrieve required information on NodelS environment.

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**SEISMIC DATA PROCESSING AND INTERPRETATION CENTER, ONGC MAY-JULY 2015 | MUMBAI**

Project title:2D Marine Solsmic data Processing-Pre Stack Time Migration D\_94-04 Line of Western Offshore data.

* Pre-Processed the raw data which included Static and Spherical divergence corrections applied to 222km line Seismic data.
* Applied Velocity Analysis, Noise and Multiple Attenuation to enhance the Signal to Noise ratio and was Stacked using Focus Software.

**PROJECTS**

**MASTER THESIS PROJECT Guide: Prof. Chandrani Singh [Ongoing Project]**

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Project title: Coda wave attenuation in the Andaman subduction zone

* The Attenuation property of Andaman Island is analysed using Coda waves from local earthquake using Single Backscattering model.
* Calculated Frequency dependent Coda Attenuation factor using Time domain coda decay method.

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**COURSE PROJECT**

* Developing a Compiler Prototype for a smaller version of C from Scratch using Three Address Context Freer Grammar to generate Machine

Code and calculate basic Expressions.

**SKILLS AND EXPERTISE**

* Programming Languages : C, C++, Python.
* Webtools :HTML,CSS,JavaScript, NodelS
* Software : MATLAB, MS Office, Paradigm [Focus and Geodepth].
* Platforms : Windows, Linux.

**COURSEWORK INFORMATION**

Programming and data structures Theory and Lab. Design and analysis of Algorithms.

* Data structure and Algorithms Lab. Theory of Compiler Design.
* Object structure and Algorithms Lab. Python Data Structure (Coursera).
* Object Oriented Programming.

**POSITIONS AND RESPONSIBILITY**

**Captain Chess LLR Hall 2015-16**

* Led the Hall team in Open IIT and Inter Hall Tournaments.
* Trained other players and ensured regular practice sessions.

**Coordinator of both Badminton and Chess LLR Hall 2014-15 and Secretary Chess LLR Hall 13-14**

* Organized Fresher event and managed Budget for both Badminton and Chess.

**AWARDS AND ACHIEVEMENTS**

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* Secured Rank in the Top 1 percent in IIT-JEE 2012 among 5,20,000 candidates.
* Ranked among Top 0.5 percent in AIEEE 2012 among 1.2 million candidates.
* Awarded Scholarship for Higher education (SHE) under the prestigious INSPIRE (Innovation In Science Pursuit for Inspired Research)

program by the Department of Science and Technology, Govt. of India.

**EXTRA CURRICULAR ACTIVITIES**

* Participated and Won Various Tournaments in Chess and Football.
* Represented MMM Hall and LLR in Inter Hall Football, Chess and Badminton Tournament in year 2012-13 & 2013-16 respectively.
* Taught students of class 10 & 11 and Organized various Competitions, Prerana Scholarship test and Chemical experiments at Balarampur

High School as a part of NSS ( National Service Scheme ).

* Volunteer Springfest, Organised the events *Rangmanch, Biz Whiz, Jalm which had a participation of more than 500 students in various*

Events held in Kalidasa Auditorium along with a team of 8.

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