

Nirvan Abhilash



PERSONAL DATA

PLACE AND DATE OF BIRTH: Basudevpur, Bhadrak, Odisha | 18 March 1999
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EDUCATION

AUGUST 2024-CONTINUE Ph.D. Degree in ATMOSPHERIC SCIENCE
University of Houston, Texas, USA
Advisor: Prof. Zhang Honghai | GPA(4.0) : 3.8 |

JUNE 2022 M.Sc. Degree in ATMOSPHERIC SCIENCE
National Institute of Technology, Rourkela, India
Advisor: Prof. Jagabandhu Panda | CGPA: 8.73 | GPA(4.0) : 3.58 | Roll no: 420AS2126

MAY 2017 Graduation in B.SC PHYSICS (HONOURS)
CBCS: **Centurion University, Jatani, Khurda, Odisha.**
CGPA: 8.36

MAY 2016 Intermediate in SCIENCE and MATHS
CBSE: **MP&EV English medium school, Visakhapatnam**
Percentage: 80.4%

MAY 2014 Matriculation
ICSE: **Siva Sivani Public School, Visakhapatnam**
Percentage: 87.5%

SKILLS

General Programming: MATLAB, PYTHON, FORTRAN, JAVASCRIPT, JAVA (BLUEJ), SOLIDITY
Softwares: WRF, WRF3DVAR, JMARS, GRADS, QGIS
Languages: ENGLISH, HINDI, ODIYA, TELUGU, JAPANESE

WORK EXPERIENCE ([LINK](#))

AUGUST 2024 :- CONTINUE	Graduate Teaching Assistant. DEPARTMENT OF EARTH AND ATMOSPHERIC SCIENCES University of Houston, Texas
JAN 2024: AUGUST 2024	Junior Research Fellow. DEPARTMENT OF EARTH AND ENVIRONMENTAL SCIENCES Indian Institute of Science Education and Research, Mohali Advisor: Dr. Raju Attada Project: Evaluation of the impact of DWR observations on the prediction of extreme rainfall events over the northwestern Indian region using WRF variational data assimilation system. MoES, MES-22-0283 .
JULY 2023- DECEMBER 2023	Project Associate . DEPARTMENT OF MCA, CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT BBSR, , JATANI, ODISHA.
JUNE 2022-JULY 2023	Project Coordinator . MITTILAND WORLD PRIVATE LIMITED, C.U.T.M Incubation, PLOT NO-136/137, TRAINING CENTRE RAMCHANDRAPUR,

MSC DISSERTATION AND RESEARCH WORK

2021 - 2022	TITLE: "MARTIAN COLD SPOT REGIONS AND ASSOCIATED PROPERTIES DURING A GLOBAL DUST STORM YEAR USING MRO/MCS DDR OBSERVATIONS" <i>Department :- Earth and Atmospheric Science, ER, N.I.T-Rkl. (link)</i>
MARCH 2023	CONFERENCE PAPER: "MARTIAN COLD SPOT REGIONS AND ASSOCIATED PROPERTIES DURING THE 2018 GLOBAL DUST STORM USING MRO/MCS OBSERVATIONS" <i>4th Indian Planetary Science Conference. (link) (PDF)</i>

ACHIEVEMENTS AND CERTIFICATES ([PDF](#))

SEPT 29-OCT 6. 2021	NASA's Applied Remote Sensing Training Program (ARSET Workshop)
NOV. 2020	TH.O International Blockchain & AI Virtual Hackathon (Finalist, Team BLOCKWOOD)
JUL. 2020	IBM Blockchain Foundation Developer (Cognitive Class.ai)
MAY-JUL. 2020	Silver Honour, International Astronomy and Astrophysics Competition (IAAC 2020, Verify-ID: F-2020-E74F21A79E3)
MAR. 2020	IIT-JAM 2020 Physics: Qualified, All India Rank: 2023(Gen) (Registration No: PH609F185)
DEC. 2019	IBM Blockchain Essentials V2 (IBM, Cognitive Class.ai)
DEC. 2019	IBM Python for Data Science (IBM, Cognitive Class.ai)
MAR. 2014	NASA Ames : Space Settlement Contest (Honorable Mention: Team KAILASH)
SEP. 2009	Bala Chitra Award (Silver medalist in National level colour competition)

EXTRA CURRICULAR ACTIVITIES

2018 - 2020	<i>Club Representative : JAPANESE LANGUAGE CLUB. CENTURION UNIVERSITY</i>
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INTERESTS AND ACTIVITIES

Science & Technology, Programming, Arduino , Blockchain and Crypto currencies
Astronomy, Current affairs, Geo-politics, Debates, Japanese culture and language
Sketching, Painting, Articles, Learning foreign languages, Badminton.