

NikhilHubballi

contact

Nikhil Hubballi
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languages

Kannada (expert)
English (fluent)
Hindi (fluent)
Telugu (limited)

programming

Python ♥
C/C++, MATLAB
L^AT_EX, SQL
Basics: R, Julia,
Arduino, Android App
development

quote

The only person who is educated is the one who has learned how to learn and change.

- Carl Rogers

experience

Mar 2019 -
present

Atlan

Data Science Associate

Developing insight-packs using Spatial and non-Spatial datasets for data science analysis

New Delhi, India

Nov 2018 -
Feb - 2019

Atlan

Data Science Consultant

Developing insight-packs using Spatial and non-Spatial datasets for data science analysis

New Delhi, India

Jun 2018 -
Oct - 2018

FluroSat

Geospatial Data Programmer

Developing GIS software tools using Python, computer vision and machine learning.

Sydney, Australia

Sep 2017 -
Jun 2018

Indian Institute of Science Education and Research

Project/Research Assistant

Working on an Astronomy and Astrophysics project titled 'Mass modelling of gas-rich lenticular galaxies using HI rotation curves' under Dr.Arunima Banerjee

Tirupati, India

Feb 2015 -
Aug 2016

IIST's Nano-satellite Program

Student Engineer - ADCS

Worked as an engineer in the Attitude Determination and Control System department of the Nano-satellite program in Indian Institute of Space Science and Technology

Trivandrum, India

Jun-Jul,
2016

Aryabhata Research Institute of Observational Sciences

Summer Intern

Worked on developing an astronomical tool in python to obtain the temperature and optical depth map of star-forming molecular clouds using Planck satellite data under Dr. Maheswar Gopinathan

Nainital, India

education

2013-2017

B.Tech in Physical Sciences

Indian Institute of Space Science and Technology, Trivandrum

CGPA: 7.35/10

2011-2013

Intermediate Public Examinations Senior Secondary Education

FIITJEE Junior College, Hyderabad

93%

2011

Secondary School Leaving Certificate Examinations Secondary Education (10th standard)

St. Anne's Convent High School, Bagalkot

97.64%

certification

- June 2017 **Machine Learning A-Z™: Hands-On Python & R In Data Science**
Udemy, License No: UC-YH4CGA5E
<https://www.udemy.com/certificate/UC-YH4CGA5E/>
- June 2017 **Machine Learning by Stanford University**
Coursera, License No: 4HX7V65NF94W
<https://www.coursera.org/account/accomplishments/certificate/4HX7V65NF94W>
- Nov 2017 **Deep Learning A-Z™: Hands-On Artificial Neural Networks**
Udemy, License No: UC-UBB80PM1
<https://www.udemy.com/certificate/UC-UBB80PM1/>

projects

- Sep 2017 - Jun 2018 Mass modelling of gas-rich lenticular galaxies using HI rotation curves
Project/Research Assistant - Indian Institute of Science Education and Research
Under Dr. Arunima Banerjee, IISER, Tirupati
- 2017 Site Suitability Analysis for Solar PV Power Plant in the northeastern Districts of Karnataka State
Final Year Project - Indian Institute of Space Science and Technology
Guide : Dr. Gnanappazham L., IIST, Trivandrum
- 2016 Tracking accuracy of 3.6m Telescope at Devasthal and Temperature & optical depth map of star forming molecular clouds using Planck Satellite data
Summer Intern - Aryabhata Research Institute of Observational Sciences
Guide : Dr. Maheswar Gopinathan
- 2016 Minutiae-based Fingerprint Matching
Academic Project, Indian Institute of Space Science and Technology
Guide: Gorthi R.K.S.S. Manyam
- 2015 Determination of Test templates and building Helmholtz Cage test-setup for IIST's Nano-satellite
ADCS Student Engineer - IIST's Nano-satellite Program
Guide: Harsha Simha, IIST, Trivandrum
- 2015 Design and Manufacture of Magnetotorquers for IIST's Nano-satellite
ADCS Student engineer - IIST's Nano-satellite Program
Guide: Harsha Simha, IIST, Trivandrum

skills

- Platform and tools
Windows, Linux, mac OS, Anaconda, Version Control, Github, Docker, GCP, AWS S3, PostgreSQL, sqlite3
- Python Libraries
NumPy, Scipy, Pandas, GDAL, matplotlib, scikit-learn, scikit-image, PIL, imutils, Opencv, shapely, fiona, geopandas, rasterio, apache-libcloud
- Software
ArcMap, ArcGIS, QGIS, ERDAS Imagine, ENVI, MATLAB, Octave, Envi, COMSOL, Gnuplot, AutoCAD, Pinnacle studio, Adobe Suite(Photoshop, Illustrator, InDesign, Lightroom, Premiere, Audition), MS Office, Astronomical Analysis tools (IRAF, ds9, Xeasoft, GIPSY)
- Technical

Algorithms, Analytical skills, Scientific Computing, Design, Documentation, Modeling, Simulations, Problem solving, Technical writing

- Organizational
Presentation skills, Team Building, Team leading, Team Management, Project Planning and organizing, Project Management
- Art
Arts and craftworks, Drawing, Painting, Graphic Design and Editing, Creative writing

interests

professional: Remote Sensing and GIS, Astronomy & Astrophysics, Machine Learning, Deep Learning, Artificial Intelligence, Internet of things, Renewable Energy, Robotics, Entrepreneurship, Solid State Physics

personal: Photography, Calligraphy, Hiking, Debate, Travel, Cinemas, History, Music, Psychology, Science & Technology, Gaming

extracurricular:

- Former Member - SPIE-IIST chapter and student activities
- Founding Member - Food for thought club of IIST
- Co-ordinator (Creatives) - DHANAK - Annual cultural festival of IIST
- House captain in the inter-house school competitions in High school

honors and awards

2013	Full scholarship for undergraduate studies by Dept. of Space, Govt of India Indian Institute of Space Science and Technology, Thiruvananthapuram
2013	Among the top 1 percentile in JEE(MAINS) CENTRAL BOARD OF SECONDARY EDUCATION, India National Joint Entrance Examination for national & central-funded institutes for undergraduate studies
2011	2nd Rank to district in 10th Board exam (Secondary School Leaving Certificate) Karnataka Secondary Education Examination Board, India
2011	Leading the Red House to runners-up trophy in the inter-house competitions as the prefect in High School St. Anne's Convent High School, Bagalkot, India