

# Curriculum vitae

Arya A

Email: [aa005arya@gmail.com](mailto:aa005arya@gmail.com)

Mob: +917034606557



## About Me

Hailing from a coastal hamlet in the southern part of Kerala, recurring floods always aroused a state of fear in my mind that triggered me to establish a career in Disaster Management. Kerala flood of August 2018 is the major factor for shifting my passion and career from Physics to Disaster Management. I have worked at several reputed institutions for one year to understand various perspectives of Disaster Management in the country.

Nationality : Indian  
Sex : Female  
Age & Date of birth : 24; 5<sup>th</sup> May 1998  
Marital status : Unmarried  
Address : Sruthi (House)  
Pullikanakku P O, Kayamkulam  
Alappuzha, Kerala-690537, India

## Educational Qualifications

SL No	Degree	Subject	Board / University	Year	Percentage
1	Master of Science	Disaster Management	Pondicherry University, Port Blair, Andaman Islands, India	2021	97
2	Batchelor of Science	Physics	University of Kerala, Thiruvananthapuram, Kerala, India	2019	72
3	Diploma	Computer Application	University of Kerala, Thiruvananthapuram, Kerala, India	2019	80
3	HSE	Biology Science	Kerala Board of Higher Secondary Education	2016	94
4	SSLC	General	Kerala Board of Secondary Education	2014	90

## Professional Experience

### 2022 June- Ongoing

Position held: **Junior Research Fellow**, Birla Institute of Technology and Science, KK Birla Goa Campus

Nature of job: Working on landslide risk under changing climate scenarios in the Western Ghats region, India.

### 2021-November- 2021 December

Position held: **District Project Coordinator**, Sphere India, Pathanamthitta

Nature of job: Coordination activities for *Joint Disaster Needs Assessment (JDNA)* conducted by UNICEF in collaboration with Kerala State Disaster Management Authority.

Sectoral expert for Water Sanitation and Hygiene (WASH) sector at Pathanamthitta District, Kerala.

- Explore the feasibility for initiating flood and landslide recovery initiatives and facilitate appropriate actions
- Provide support for the Consultations field visits for JDNA
- District Level IAG & NGO Coordination
- Capacity building of IAG member organizations and other partner agencies in the district.

### 2021 August- 2021 December

Position held: **Intern**, Integrated Institute for Advanced Research and Information (IIARI), Kolkatha

Nature of Job: Online Internship based professional certificate course on Basic to Advance GIS- Remote sensing and its application in Research.

### 2021 August – 2021-October

Position held: **Project fellow** at Institute of Land and Disaster Management, (ILDMM) Thiruvananthapuram

Nature of Job: Preparation of handbook on Flood Disaster Risk Reduction

### From November 2020 to July 2021

Position held: **Intern**, Department of Geology, University of Kerala Karyavattom campus, Thiruvananthapuram, Kerala India

Nature of Job: MSc Dissertation on *Flood vulnerability assessment with special reference to paleochannels of migrating rivers of Alappuzha, Pathanamthitta and, Kottayam districts using Geospatial and Geophysical techniques.*

- Assisted Vertical Electrical Sounding Survey in landslide prone locations of Idukki and flood prone paleochannel locations of Alappuzha and Pathanamthitta District.
- Gained proficiency in using ArcGIS and QGIS software.
- Experience in manuscript writing.

### From March 2021

Position held: **Trainee**, Integrated Rural Technology Centre, Mundur, Palakkad  
 Nature of Job: Attended training on Fundamentals of Remote sensing and GIS

### From December 2019 to January 2020

Position held: **Intern**, Kerala State Disaster Management Authority,  
 Thiruvananthapuram Kerala India  
 Nature of job: ***Study on Kavalappara and Puthumala Landslides of Kerala 2019***  
 Assisted in all works of the institution

### 2018

Nature of work: BSc Dissertation on ***Determination of Stefan's constant of radiation***

## Skills

- GIS (Arc GIS, QGIS, ERDAS, SAGA GIS, SNAP)
- Google earth pro
- Satellite image interpretation
- IP2Win Software
- Basic MS-Excel operations
- Page maker
- Geophysical exploration (VES Resistivity survey)
- R, Python programming

## Publications

1. K.S. Sajinkumar., **A. Arya.**, A. Rajaneesh., T. Oommen., Ali P. Yunus., V.R. Rani., Ram Avatar., K.P. Thri vikramji. (2021) Migrating rivers, consequent paleochannels: The unlikely partners and hotspots of flooding, Science of The Total Environment, Volume 807, Part 2, 150842, ISSN 0048-9697 (**Impact Factor: 10.75**) <https://doi.org/10.1016/j.scitotenv.2021.150842>.
2. S. Aiswarya., **A. Arya.**, R.M Amal., (2021) Handbook on Flood Disaster Risk Reduction <http://ildm.kerala.gov.in/wp-content/uploads/2017/01/Flood-ILDm.pdf>

## Linguistic proficiency

- **English** (Fluent)  
(Speaking, Reading Writing)
- **Malayalam** (Mother tongue, Fluent)  
(Speaking, Reading Writing)
- **Hindi** (Conversational)  
(Speaking, Reading Writing)

## Participation

- Coordinated in medical camp conducted by Family Planning Association of India (FDA) on flood and landslide affected tribal locations of Pathanamthitta.
- Attended workshop on **Child Centred Risk Informed Programming** conducted by UNICEF in collaboration with KSDMA on 18<sup>th</sup> December 2019.

## Area of Interest

- Geohazards
- Remote Sensing & GIS
- Geophysics
- River migration/ Paleochannel studies
- Application of Geospatial and Geophysical Techniques in Disaster Management

## Reference

1. Dr Rajiv Kumar Chaturvedi  
Assistant Professor  
Department of Humanities and Social Science  
BITS Pilani KK Birla Goa Campus  
Mobile: +91-9008866884  
Email: [rajivc@goa.bits-pilani.ac.in](mailto:rajivc@goa.bits-pilani.ac.in)
2. **Dr. Sajinkumar KS**  
Assistant Professor  
Department of Geology  
University of Kerala, Karyavattom,  
Thiruvananthapuram, Kerala

Mobile: +91-9495832220

E-mail: [sajinks@keralauniversity.ac.in](mailto:sajinks@keralauniversity.ac.in)

**3. Dr. K Dharanirajan**

Head of the Department

Department of Disaster Management

Pondicherry University, Off-Campus,

Port Blair, Andaman and Nicobar Islands

Mobile: +91-94742 46079

Email: [dharanirajan@gmail.com](mailto:dharanirajan@gmail.com)

I certify that the above information furnished by me is true to the best of my knowledge and belief.

Place: Kayamkulam

Date: 15-09-2022

Arya A