

EDUCATIONAL QUALIFICATIONS

YEAR	DEGREE/ CERTIFICATE	INSTITUTION	RESULT
2016-2018	MSc. COMPUTER SCIENCE WITH SPECIALIZATION IN DATA ANALYTICS (Currently Pursuing)	Indian Institute of Information Technology and Management, Kerala	NIL
2016	BSc. (HONS) MATHEMATICS	St. Stephen's College, Delhi	72.7%
2012	Class XII	St. George H.S.S Aleppey	89.75%
2010	Class X	St. Aloysius H.S.S Aleppey	10 A+

ACHIEVEMENTS AND AWARDS

- BHARAT SCOUTS AND GUIDES RAJYA PURASKAR AWARD (GOVERNOR’S AWARD) 2009:** Awarded by BHARAT SCOUTS AND GUIDES KERALA, of which Hon. Governor of Kerala is the patron, for excellent scouting.
- KERALA STATE SCIENCE FAIR 2009:** Achieved A grade in pure mathematics constructions. Participated in Kerala state science fair 2008.
- NATIONAL SCIENCE EXPERIENCE CAMP , NIT CALICUT 2010 :** Hosted by Dept. of Science and Technology, Govt. of India.
- DISTRICT MERIT SCHOLARSHIP:** Awarded for the performance in class 10th. Instituted by Department of Collegiate Education, Govt. of Kerala.

POSITIONS OF RESPONSIBILITY

POSITION	REMARKS
THE PLANNING FORUM St. Stephen's College II Year Working Committee Member	<ul style="list-style-type: none">Introduced the society to different corporate companies and made tie-ups with them in the field of publicity, sponsorship etc.Organizing Committee member, Stephen's MUN -2014.Worked as a logistics team member for Stephens MUN-2014.Organized various talks and discussions.
CAMPUS AMBASSADOR TIME Pvt. Ltd.	<ul style="list-style-type: none">Conducted different academic events in college with academic and financial help from T.I.M.E.Introduced T.I.M.E to different college societies and made tie-ups between them.
STUDENT EDITOR "JALAPADAM" MAGAZINE- 2009 ATREE FOUNDATION.	<ul style="list-style-type: none">"JALAPADAM" is a programme conceptualized and organized by ATREE (ASHOKA TRUST FOR RESEARCH IN ECOLOGY AND THE ENVIRONMENT) FOUNDATION ,BANGALORE.Conceptualized new ideas to create awareness among people about the importance of wet lands.

DATA SCIENCE/MACHINE LEARNING

Coursera Machine Learning Course, Prof. Andrew NG, Stanford University.

Oct '16

- Completed a course in **Machine Learning** (Verified) with 94.5 % marks.

Coursera Data Science course, Introduction to Data Science in Python, Prof. Christopher Brooks, University of Michigan.

- Completed the course with 89.2% marks.

Coursera course, Data Science Math Skills, Duke University.

- Completed the course with 93.9% marks.

Analytics Vidhya Hackathon, Operations Research: Big Buck Challenge by IEOR @ IITB & McKinsey Knowledge Center India.

Feb'17 - Mar'17

- Secured rank 28 out of 1974 participants.

Analytics Vidhya Hackathon, Practice Problem: Loan Prediction III. (Ongoing Competition)

- Current rank 119, out of 8522 participants.

Academic Project: MRI Image Processing, Diffusion Tensor Imaging.

Jan'17 -May'17

- Diffusion tensor imaging (DTI), a relatively new MRI technique,** is an extension of diffusion weighted imaging (DWI) that allows data profiling based upon white matter tract orientation. The application of this process includes assessing the deformation of white matter by tumors, early detection of diseases like Alzheimer’s disease, schizophrenia etc.
- Created a simulation of the process in Matlab and analyzed the relationship between different factors and diffusion constant and working towards improving the simulation model.

Data Science Programming Languages

- Python
- R
- Matlab

INTERNSHIPS/EXPERIENCE

SKILLHIPPO: Skillhippo.com is an online platform where you can find classes and workshops on various topics.

Dec '14 – Jan '15

- Worked on **Customer Outreach & Innovative ideas** in building strong customer client relations.
- Revamped Skill hippo website by creating a strong Website backend with relevant content.
- Gained insight into the working of a startup.

ZOCALO ASSOCIATE PROGRAMME: Zocalo.in is an “online marketplace” in the real estate space in India.

Sep '14 – Oct '14

- Devised new strategies to widen the reach of the company among public.
- Made tie-ups with various colleges and private organizations through which the company can reach out to its targeted audiences.

INDIAN DENTIST RESEARCH AND REVIEW JOURNAL: Worked in the marketing field and introduced the journal to different companies in the field of Dentistry.

- Led the marketing team in Exponent International dental expo 2014; raised **40% higher** sales than last year (2013).

SUMMER SCHOOL /CERTIFICATIONS

- King’s College, London: Summer School on International Political Economy. Jun ‘15
- Authored an essay on Economic disparity in India.
- NATIONAL STOCK EXCHANGE'S CERTIFICATION IN FINANCIAL MARKETS (NCFM).
- Completed a course in **Financial Markets** with 85% marks and one in **Financial Markets Advanced** with 69%.

PROJECTS UNDERTAKEN

- WORKED WITH A PROJECT OF INDIAN STATISTICAL INSTITUTE AND PLANNING COMMISSION OF INDIA : Mar ‘15
- Actively involved in the data collection and the empirical analysis of the field experiment related to a working paper titled “Do Exogenous Gains Elicit Warm Glow Effects?”
 - The project has been funded by the Planning and Policy Research Unit set up by the Planning Commission of India.

SOCIAL SERVICES/VOLUNTEER

- **Volunteered for “ANTARCHAKSHU-THE EYE WITHIN” in World Book Fair 2014,Pragati Maidan New Delhi:** “Antarchakshu” is an event organized by the Xavier's Resource Centre for the visually challenged (XRCVC), St. Xavier's College, Mumbai, as part of the Mumbai Eye Care Campaign.
- **Helped with organizing DRISHTICON 2014, an art fest for visually challenged students:** Organized by St. Stephen’s college Social Service League.
- **Volunteer, Delhi Charity Run-2014 organized by Cure International India:** Cure International is an organization which gives treatment to children born with Clubfoot Disease, free of cost.

EXTRA CURRICULAR ACTIVITIES

- **Dramatics:** Performed a lead role in a drama in Kerala Youth Festival (district level).

Academic Project (Mini Project). Second Semester

Diffusion Tensor Imaging Simulation and Data Analysis

Diffusion tensor imaging (DTI), a relatively new MRI technique, is an extension of diffusion weighted imaging (DWI) that allows data profiling based upon white matter tract orientation. The application of this process includes assessing the deformation of white matter by tumors, early detection of diseases like Alzheimer’s disease, schizophrenia etc.

Through my project I am trying to,

- Create a simulation of Diffusion Tensor Imaging process for data creation.
- Analyze the how different factors depend upon diffusion constant and compare the observation with actual data (the one obtained from an MRI machine) and observe how well the simulation model replicate the actual scenario.
- If the simulation could replicate the actual process up to some extend we can use the simulation for data creation.

- Use the data created for training a regression model and do the predictions for different test cases.
- Devise new methods for improving the simulation.

Programming Languages used: Matlab, Python.