

# Vaasudevan Srinivasan

[Github](#) [Skype](#) [LinkedIn](#)

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## EDUCATION

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- **University of New Brunswick** Fredericton, NB  
*Master of Engineering in Geodesy and Geomatics; CGPA: 4.2/4.3* Sep 2018 – Dec 2019
- **College of Engineering Guindy, Anna University** Chennai, India  
*Bachelor of Engineering in GeoInformatics; CGPA: 8.07/10.0* Aug 2014 – Jul 2018

## EXPERIENCE

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- **Énergie NB Power** Fredericton, NB  
*GIS CoOp Student* May – Aug 2019
  - Built Network Dataset by integrating New Brunswick Road Network (NBRN) and Energy & Resource Development (ERD) road layers
  - Softwares used: ArcGIS Desktop 10.1, Microsoft office package
- **University of New Brunswick** Fredericton, NB
  - **Teaching Assistant** (GGE3342: Remote Sensing; Instructor: [Dr. Yun Zhang](#)) Sep – Dec 2019
    - \* Responsible for handling lab materials and evaluating assignments (software: PCI Geomatica)
  - **Digital Technician** (Supervisor: [Maria Papaioannou](#)) Sep'18 – Mar'19
    - \* Created 3D models of the Ancient Abdera site, Greece using the existing site layout, Terrestrial Laser Scanning data, LAS data-sets and developed a website showing the models 🗿
    - \* Technologies used: Cloud Compare, Sweet Home 3D
- **kCube Consultancy Services** Chennai, India  
*Open Source GIS Analyst and Developer* Jul 2017 – Feb 2018
  - Analyzed and developed Risk raster models with the spatio-temporal accidents data
  - Technologies used: Python, GRASS, QGIS, AWS, GNU-coreutils
- **Tezpur University (Indian Academy of Sciences)** Tezpur, India  
*Summer Research Fellow* May, Jun 2017
  - Developed a user-friendly web app for batch processing and codaQback computation of Seismic waveforms using django, bokeh and scipy 🗿

## TECHNICAL COURSES AND CERTIFICATIONS

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|   |                 |
|---|-----------------|
| ArcGIS Enterprise: Administration Workflows     | Sep 17-19, 2019 |
| Creating Python Scripts for ArcGIS              | Oct 23-25, 2019 |
| ESRI MOOC - Going Places with Spatial Analysis  | Sep, Oct 2019   |
| Beauceron Security's Cyber-Awareness            | July 2019       |
| Implant Training about Web Technology languages | Nov 2015        |

## ACHIEVEMENT

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Won **ESRI Canada** GIS scholarship for the year 2019 🌐 [View Profile](#)

## DEVELOPMENT SKILLS

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**GIS:** ArcGIS (Desktop, Pro, Online, JS API, Arcpy), GRASS GIS, QGIS, PostGIS, Leaflet

**Languages:** Python, SQL, JavaScript, Bash, R, C, C++, HTML













**Technologies:** git, Django, L<sup>A</sup>T<sub>E</sub>X, AWS


**OS:** Ubuntu-Linux, Windows 8/10

**Softwares and IDEs :** Atom, Vim, Microsoft office package, GIMP

## PROJECTS AND COURSE WORK

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|  |           |
|--|-----------|
| <b>indoorGIS</b> for UNB-HeadHall using Django     | Summer'19 |
| <b>Edmonton Safe Neighbourhoods</b> for ESRI 2020 Map Calendar contest    | Aug 2019  |
| <b>Cholera Spatial Epidemiology</b> using Leaflet (forked project)                      | Jul 2019  |
| <b>Fredericton: KnowYourRoute</b> showing accidents data using ESRI JS API           | Apr 2019  |
| <b>Support Vector Machine</b> implementation for Satellite Imagery    | Apr 2019  |
| <b>Site Assessment for Renewable Energy in New Brunswick</b> using ArcGIS, Leaflet   | Nov 2018  |
| <b>Natural Language Processing</b> - Chatbot, Language Models, POS Tagger   | Fall'18   |
| <b>Village Information System</b> using Django and Leaflet    | Apr 2018  |

**Python modules:** cowsay, periodiclements, thirukkural, flames 

## WORKSHOPS

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|   |      |
|---|------|
| Information Access and Analysis through the art of searching at Tezpur University       | 2017 |
| Revolutionizing Mapping with Open Source at Anna University                             | 2016 |
| INSPIRE Internship Summer camp sponsored by Department of Science and Technology, Delhi | 2012 |







## VOLUNTEERING ACTIVITIES

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|---|--------------|
| <b>Student Executive</b> in “Indian Student Association of UNB”                 | 2019         |
| <b>Senior Executive Member</b> in “Students Quality Council” in Anna University | 2016 to 2018 |
| <b>Fund Raiser</b> for “Siruthuligal Charity Club” in Anna University           | 2017 to 2018 |
| <b>Codify Event Organizer</b> during GeoHorizon (Inter-college Symposium)       | 2017         |

## ABOUT ME

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 lover, Chess fanatic, Avid reader of [Kalki](#), Solving different Rubik's cubes,  with (  +  +  )  
Preparing for AWS Developer Associate  certificate exam