

Vaasudevan Srinivasan

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EDUCATION

- **University of New Brunswick** Fredericton, NB
Master of Engineering in Geodesy and Geomatics; CGPA: 4.1 / 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

DEVELOPMENT SKILLS

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



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

Technologies and Frameworks: Git, Sphinx, Django, Keras, \LaTeX

Operating systems: Debian based Linux (*also comfortable just working on terminal*), Windows

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


EXPERIENCE

- **Scene Sharp** Fredericton, NB
Remote Sensing Research Assistant and Developer Jan 2020 – present
 - Performing Research and developing python scripts for multiple Remote Sensing tasks
 - Technologies used: Geomatica-Banff, ArcGIS Pro, Python, GRASS GIS
- **Énergie NB Power** Fredericton, NB
GIS CoOp Student May – Aug 2019
 - Generated Network dataset by integrating New Brunswick road layers from various sources
 - Developed ArcPy workflow to generate attributes based on spatial relations
 - Technologies used: ArcGIS Desktop 10.1, Arcpy, Microsoft office package
- **University of New Brunswick** Fredericton, NB
 - **Teaching Assistant** (*GGE3342: Remote Sensing; Instructor: Dr. Yun Zhang*) Sep – Dec 2019
 - * Handled and evaluated lab materials and assignments (software: Geomatica'18)
 - **Digital Technician** (*Supervisor: Maria Papaioannou*) Sep 2018 – Mar 2019
 - * Created interactive 3D models using the existing site layout, Terrestrial-Laser-Scanning-data, LAS datasets and developed the website  [View site](#)
 - * Technologies used: Cloud Compare, Sweet Home 3D, LAsTools
- **kCube Consultancy Services** Chennai, India
Open Source GIS Analyst and Developer Jul 2017 – Feb 2018
 - Generated and Analyzed Risk raster models using the spatio-temporal accidents data
 - Developed python and shell scripts for batch processing on the AWS cloud machine
 - Technologies used: Python, GRASS, QGIS, AWS (EC2), 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  [View site](#)














TECHNICAL COURSES AND CERTIFICATIONS

Creating Python Scripts for ArcGIS (<i>Instructor-Led</i>)	Oct 23-25, 2019
ArcGIS Enterprise: Administration Workflows (<i>Instructor-Led</i>)	Sep 17-19, 2019
Beauceron Security's Cyber-Awareness	July 2019
Implant Training about Web Technology languages	Nov 2015


ACHIEVEMENTS

Won **ESRI Canada** GIS scholarship for the year 2019  [View Profile](#)
Won second place in Anna University Sports day 2015 - 2016 for chess

PROJECTS AND COURSE WORK

Land Use Land Cover classification using Keras - ResNet50 	Fall'19
indoorGIS web app for UNB-HeadHall using Django   	Summer'19
Cholera Spatial Epidemiology using Leaflet (forked project)  	Jul 2019
Fredericton: KnowYourRoute showing accidents data using ESRI JS API  	Apr 2019
Support Vector Machine implementation for Satellite Imagery 	Apr 2019
Site Assessment for Renewable Energy in New Brunswick using ArcGIS, Leaflet  	Nov 2018
Natural Language Processing - Chatbot, Language Models, POS Tagger 	Fall'18
Village Information System using Django and Leaflet 	Apr 2018


Map Products created so far  [View page](#)

Author of python modules: cowsay, periodiclements, thirukkural, flames  [PyPi](#)

ATTENDED WORKSHOPS

'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

Student Executive at "Indian Student Association of UNB"	2019
Senior Executive Member at "Students Quality Council" in Anna University	2016 to 2018
Fund Raiser for "Siruthuligal Charity Club" in Anna University	2017 to 2018
Codify Event Organizer during GeoHorizon (Inter-college Symposium)	2017
Logo designer of AU-TVS (Centre for Quality Management)  View Logo	

ABOUT ME

Chess fanatic, Avid reader of [Kalki](#), Rubik's cubes solver

Using - python and GIS softwares & products for **>4years**; Linux and Open Source tools **>3years**