Resume

RAUNAK SARBAJNA

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KEY COMPETENCIES

Programming Languages	Platforms	Environments
Primary: R, Python, Java	Windows, *nix, Android	Node.js, processing
Secondary: C, C++, Javascript, HTML/XML, *SQL		Tensorflow
		ArcGIS, GDAL, PostGIS, ERDAS Imagine

- **Dr. William "Bill" Nylin Scholarship in Computer Science Holder**

Publication

Simulating dynamics of the spread of communicable diseases using agent based modeling. Kavisha Kumar , Raunak Sarbajna, Vineet Kumar, Amol Konde, and Sameer Saran. *ISRS Proceeding Papers of Sort Interactive Session.* ISPRS TC VIII International Symposium on "Operational Remote Sensing Applications: Opportunities, Progress and Challenges",Hyderabad, India, December 9 – 12, 2014.
http://isrsindia.in/isprs_doc/isrs_p_402.pdf

Papers Reviewed:	Conferences Attended:	Key Skills/ Interests:
SmartCity 2018	Sixth Annual STEM Conference, Lamar University, 2018	Machine Learning (GANs)
HPCC 2018		Geospatial data analysis

PROJECTS

Old/Completed	2018 - Present
• Built a JMF based media player template for use by small intra-school programs (quizzes, debates, etc.) • Part of a team working on a project to integrate SMS-based services with real-time traffic and mass-transit vehicles • Part of a team who added an e-commerce component to the website buddy4study.com	• Built a Remote Sensing NDVI/VI generator for ISRO. • Built a simultaneous localization and mapping (SLAM) based environment constructor. • Built a high-performance text compression library using Context Tree Weighting. • Built a frame work for Spatiotemporal Change Detection and Analysis in Remote Sensing Imagery

JOB HISTORY

Freelance Developer	**2013 ~ 2018**
Graduate Assistant	**Jul ~ Sep, 2018**
Research Assistant	**Sep ~ Dec, 2018**
Student Assistant	**Feb ~ May, 2019**

EDUCATIONAL QUALIFICATIONS

Year	Degree	Stream	School/College	University	Marks Obtained
2018 (Graduating 2019)	M.S.	Computer Science	Lamar University	The Texas State University System.	GPA 4.0
2013	B. Tech	Information Technology	The West Bengal University of Technology (School of IT)	The West Bengal University of Technology	DGPA: 8.1

MISCELLANEOUS

Qualification	Place	Year	Grade
36 Hour certificate Course on Linux Administration	School of Mobile Computing and Communication, Jadavpur University, Kolkata	June-July 2011	Grade A (80 – 90%)
Workshop on Application Development for Windows Phone	Jadavpur University, Salt Lake Campus, Kolkata	February, 2012	NA
Certified Cyber Security Expert	TechDefence Inc.,Kolkata	March, 2012	NA
Certified Cyber Security Expert 2.0	TechDefence Inc., Hyderabad	July – August, 2012	88%