

Saurav Prakash

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Education

2014 - 2016	Syracuse University Master of Science (Computer Science), GPA 3.1	New York, USA
Projects:	<ul style="list-style-type: none">• <u>Federal Bureau of Investigation</u> (Clause of confidentiality restricted) research project on Video Analytics Cryptanalysis. Extensive experimentations on Classifier fusion, Android application development, new classification algorithm proposals, JAVA framework development for complete automation, LUA programming; JAVA and VB front end development• <u>Classification of Spam emails from Enron public email corpus</u> using Python and Weka library with unigram and bigram feature sets• Simulated and evolved 'Measurement of Efficiency' (MOE) and 'Key Performance Parameters' (KPP) for <i>Wind farm clutter reduction, Safe driving distance, Card counting in blackjack, Park Ride planner App, Ad-hoc Phone network, X-Tag game</i> - JAVA, Matlab• <u>Social Media Sentiment Prediction</u> in Wavelet Domain using Ant Colony Optimization aimed at time series evolution of sentiment in wavelet domain - JAVA, Matlab and Weka• <u>OSP2 Projects implementation</u> of ThreadCB module, Memory module, FCFS and Round Robin algorithms, FIFO and LRU page replacement algorithms and collection of system performance - JAVA	
Recognition:	Full fee waiver & Assistantship in session 2015-16; Partial tuition fee waiver in session 2014-2015 on merit basis	
2009 - 2013	National Institute of Technology Bachelor of Technology (Computer Science and Engineering), GPA 3.3	Patna, India
Project:	• A hybrid approach for prostate cancer detection by using a score level fusion of <u>SVM and ANN algorithms</u> , using JAVA and Matlab	
Publication:	• A new framework for efficient feature extraction and feature identification for cancer detection in prostate MRI images. Prakash,S., Srivastava, V. , Yadav,Y., Abhishek,K. (2014), In ICISP 2014, Elsevier. Journal Link	
Apr - May '12	Indian Space Research Organization (Indian Institute of Remote Sensing)	Dehradun, India
Project:	• Topographic Mapping and Digital Elevation Model Creation from Satellite Stereo Imagery by using <u>Parallel Image Processing Algorithm on Cluster Platform</u> , under Mr. Ashutosh K. Jha, Scientist, IIRS, ISRO - C , GDAL library, MPI	
May - Jul '12	Indian Institute of Technology, BHU (Computer Science & Engg.)	Varanasi, India
Publication:	• <u>A Brief Review on Recent Trends in Image Restoration</u> . R. Srivastava, S. Singh, & K. Shukla (Eds.), Book : Research Developments in Computer Vision and Image Processing: Methodologies and Applications (pp. 77-92), Hershey. This publication has been indexed by INSPEC for its database	

Courses

Big Data & Cloud Security, Android Programming, Algorithms, Operating Systems, Natural Language Processing, Systems Engineering, AI, Computer Architecture, Dynamics of Social Network

Professional Experience

Current	Federal Bureau of Investigation	Graduate Researcher (8 months)	Syracuse University, NY
	• Working on sub-award project 'Video Analytics Cryptanalysis' (Confidential) under Dr. Vir V. Phoha		
Current	Syracuse University	Research Assistant (8 months)	Syracuse University, NY
	• <i>Secure Systems and Machine Learning Research Group</i> : Incorporating machine learning in discovering security threats and building secure systems		
Apr - Jul '14	Ericsson Global	Network Engineer (4 months)	Gurgaon, India
	• Developed front end network administration tool (2G/ 3G) based on Ericsson System Performance Analyzer on SQL Server management Studio 2008.		

Programming/ Software Skillset

Adept	JAVA, Matlab, C
Proficient	Android Programming, R, Python, C++, Actionscript 3.0
Functional	SQL, Point Cloud Library (PCL), PHP, RESTful APIs, Hive, Apache Calcite, MPC
Software	Android Studio, JAVA-Weka, Softkinect IDE, Eclipse, MS-Windows Server 2012, XLMiner, Gephi, NodeXL,

Extra-Curricular

- Gymnast, Syracuse University Gymnastics team, Syracuse, New York
- Lead Volunteer, Friendicoes Animal Shelter (250 animal capacity), New Delhi, India
- Expert Trained in Muay Thai and Brazilian Juijutsu