AKSHAY VYAS

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	EDUCATION	
Re	nsselaer Polytechnic Institute (RPI), Troy, New York, USA	Dec' 2019
	ster of Science: Information Technology [GPA: 3.87]	
	ri G. S. Institute of Technology & Science (SGSITS), Indore, INDIA	May' 2018
Ва	chelor of Engineering: <i>Computer Engineering</i> EXPERIENCE	
✓	Graduate Teaching Assistant, Rensselaer Polytechnic Institute, Troy, NY	Fall'18 - Fall'19
•	Courses: Introduction to Computer Science (Fall'19), Data Analytics (Fall'18, Spring'19), > 250 students.	Tan 10 Tan 12
✓	Software Engineering & Project Assistant-II Intern , New York State Department of Health, Albany, M. Contributed to the development of BCI2000, an open-source software project at the National Center for Adap Health Research Inc., NYSDOH. Achieved better efficiency for several modules by embedding multi-three Programmed in C++, Python, MATLAB and successfully ported several experiments in BCI2000.	tive Neurotechnologies
	SELECTED PROJECTS	
√	Digital Dashboard for GE Power - developed as a part of IT Capstone.	Spring'18
	-Contributed as Project Manager & Developer and used technologies: Elasticsearch, Kibana, Python, Data visuali.	zation
	to create a dashboard that accomplished reduced processing time for various events & displayed various met	rics, KPIs.
✓	Tennis Analytics: Predicted the future women's Tennis STAR players.	Spring'18
	-Lead the team and analyzed women's tennis data using Python, R, Jupyter Notebook, IBM SPSS Modeler, Tableau	
,	Elo rating system, M.S. Excel and predicted the 5 future star players with good accuracy using trends and various	
✓	Restaurant, Cuisine Recommendation & features correlation using Yelp Data.	Fall'18
,	-Developed an efficient recommendation system using <i>Python, Neo4j, Big Data, Machine Learning, Data Science.</i>	E 1124.0
✓	Usability testing of the YACS website (a project developed under Rensselaer Center for Open Source)	Fall'18
,	-Learned & conducted <i>focus groups, surveys, focus interviews, questionnaires</i> on a new version of the course scheduling.	_
✓	Enhancing the algorithms for solving the Traveling Salesman Problem (TSP) and Simulation of Best Path using a Robot. { Javascript, C, Research Papers, Robotics}	Fall'17-Spring'18
✓	Infirmary Management System. {PL/SQL, JAVA EE, JSP, Angular JS, HTML, CSS, Netbeans}	Fall'16
√	Railway Reservation, Enquiry & Catering System. {SQL, JS, PHP, HTML, CSS}	Spring'16
	SKILLS	
√	Programming Adeptness: Python, R, MATLAB, Octave, C, C++, Java(Core SE+EE), Javascript, SQL, MongoDB.	
√	Web Designing: HTML, CSS, Angular JS, React, React-native.	
√	Platforms: Windows XP/Vista/7/8/8.1/10, Linux, Cloudera, Android, Mac OS.	
√	Software Tools: Anaconda, Spyder, Jupyter Notebook, IBM SPSS Modeler, Tableau, Git, Github, Elasticseard	ch. Kibana. Apache
•	Server, MediaWiki, RStudio, MS Office, Android Studio, Netbeans, Splunk, Neo4j, Knime, Spark.	e, 12.20, 11pue
	LICENSES & CERTIFICATIONS	
√	Serverless Data Analysis with Google BigQuery & Cloud Dataflow (Google Cloud), Coursera	Oct'19
✓	Deep Learning Specialization (deeplearning.ai), Coursera.	Jan'18 – April'18
✓	Python for Everybody Specialization (Univ. of Michigan), Coursera.	Jan'18 – Mar'18
✓	Machine Learning (Stanford University), Coursera.	Sept'17 – Oct'17
✓	Big Data Specialization (UC San Diego), Coursera.	June'16 – Aug'17
	SELECTED PUBLICATION	
✓	Vyas A., et. al. "Dynamic Simulated Annealing for Solving the Traveling Salesman Problem with Cooling Enhancer and Modified Acceptance Probability" published in "International Journal of Scientific & Research Publications" 8(3) Mar'18.	
	SELECTED COURSEWORK	
✓	Data Science, Applied Analytics & Predictive Modeling, Software Engineering, Algorithms, Data Structure Operating System, Data Mining, Machine Learning from Data, Computational Vision, Big Data Policies.	
	VOLUNTEERING	
Na	ational Service Scheme (NSS), India	Aug'14 – Mar'16

✓ Volunteered as Coordinator and Member holding NSS B-level Certificate & did social-service in several villages.