Surinder Sokhal

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Education

	Jniversity, Boston, MA			Dec 2016 GPA: 3.73/4.0
	ework: Data Mining, Parallel Data Processing in MapF	Reduce, Algorithm	s, Fundamentals of Al	GI A. 3./ 3/4.0
	ev University, Amritsar, India chnologyin Computer Science and Engineering			May 2013
Technical	Skills			
Networking:	Java, Android, R (basics), Python Oracle10g, MySQL Android Studio, Elastic Search, Eclipse, IntelliJ EMR, EC2, VPC Socket Programming, TCP/IP	Big Data: Web: ETL Tools: Source Control: Build Tools:	Hadoop, Apache Pig(basic HTML5, CSS (basics), Java Informatica, Business Obje SVN, Git Gradle, Maven	aScript(basics)
<u>Work Exp</u>	erience			
Project: DeploEnhance	, Palo Alto, California - Software Engineer Intern (oyment of Auth Services (Python, AWS) ed python scripts to remotely deploy AWS component Reduced deployment time by 50%	-	EC2) in parallel	May - Aug 2016
Enhance parame	nated Test-Harness for improved Agility (Android) ed a custom test harness Android app for Nok Nok La eterization of test cases and further validation Increased efficiency by 70% and 40% fewer bugs	bs which included	automated test execution,	May – Dec 2018
Course: CS62 • Manage	University, Masters Teaching Assistant 240 Parallel Data Processing in MapReduce (Prof. <u>Jan</u> ed quizzes, conducted code walks & graded a class of Helped students understand the MapReduce paradig	32 students		Jan – Apr 201
 Project: Report Develop confide 	bs, TCS, India - Assistant System Engineer-Trainee ort Generating Tool (Java, Weka libraries) bed automated scripts using Java Standard libraries a nce and support of associative rules for given datasets Increased utilization of available resources by 40% and	nd Weka to compu s and plot test resu	ite Confusion Matrix, Its	t 2013 – July 201
Academic	Projects			
Crawled sentime Result: 73% us Page Rank & I	rediction using Twitter sentiments (Java & Python) d tweets using twitter-streaming API and performed ent Analysis with an accuracy of 84% Predicted rise/fall in stock price with an accuracy of ing yahoo finance data nverted Indexing (Java, HTML5 and CSS) ented multi-threaded web crawler for topic based	 Six degree of Separation (Hadoop, AWS) Created pipeline of MapReduce jobs on AWS to prove 'Six degree of Separation' using twitter dataset of 2M records Result: Average degree of 4.68 (randomly generated source and destination vertex) Teen Violence (Android) Developed an android application to help Prof. 		
query to Ranked	collect and build an Inverted Index I crawled hyper-links based on the requested queries played top ranked pages	ChangizMohiyeddini for his research study to help		
phone's	(Android) bed an android application to track the mobile s coarse/fine location oogle Maps APIs to plot phone's location	 Pac-Man Game (Python) Implemented graph search algorithms like A*, BFS (Breadth First Search), Min-Max Algorithm and Alpha-Beta Pruning to help Pac-Man find path in the maze 		
Individual	Projects			
	AWS, Hadoop)	Chat Service (J	ava, Socket Programming)	
 Build Hat 	adoop like framework with 1 Master and N-slave		Developed Java-Swings based chat application	

- architecture using Sockets for networking Features included fault tolerance, managing splits, zero .
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- ipp using Sockets for networking Features included group-chat/Private-chat, file ٠
- transfer and emoticons