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Amit Baran Roy

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EXPERIENCE	Teaching Assistant	<i>Summer 2020, CU Boulder</i>
	CSCI-3022 <i>Intro to Data Science with Probability and Statistics</i>	
	CenturyLink , Software Developer Intern	<i>May 2020, Boulder, CO</i>
	Internship offer accepted. Cancelled due to COVID-19.	
	Research Assistant, Internet Systems Lab	<i>Jan 2020–Present, CU Boulder</i>
	<ul style="list-style-type: none">Developed a CMAS spoofer for generating fake SIB12 alerts in 4G LTE networks.Developed a digital signature solution and modified Android OS to verify SIB12 alerts.Technology: C/C++, Java, Python, srsLTE, Flask, Android OS, HTML, CSS, Bootstrap, NextEPC	
	Mcfadyen Digital , Full Stack Developer	<i>Aug 2016–Jul 2019, Bangalore, India</i>
	<ul style="list-style-type: none">Developed a payment framework using Oracle ATG to integrate country specific third party payment vendors (CyberSource-Global, Sofort/iDeal/Bancontact - Europe, Alipay/Wechat H5 - China, KCP/KakaoPay - Korea) for Louis Vuitton e-commerce. This increased LVMH's revenue by a record breaking 15% upto \$59 billion in 2019.Developed a fulfillment pipeline framework to integrate retail and warehouse management services like sales order creation, customer creation, invoicing, tracking numbers and shipping partners from SAP and Infolog systems for Louis Vuitton e-commerce.Onsite UAT support and interacted with global teams for LV EMEA project Go-Live at Paris, France.Created a custom address search feature using Google Maps API and jQuery for LV Middle East.Developed a REST based connector between ATG commerce and Mirakl marketplace platform as a POC that helped company to win the Albertsons Co.s online marketplace project (2018).Technology: Java, J2EE, REST/SOAP, Oracle SQL, Junit, Mockito, Jboss, Linux, Html, CSS, Javascript, Git, Bitbucket, Jenkins, Oracle Commerce	
PROJECTS	SOAM Word Embeddings , Roy A.B., Chakraborty S.,	<i>May 2020</i>
	Occupancy Network based 3D Image Reconstruction using Single-Depth View , Roy A.B., Singh A., Chakraborty S., Gajula T.,	<i>Feb-April 2020</i>
	P2P Resource Pool , Tariq A., Roy A.B., Lanka S., Gajula T.,	<i>Feb-April 2020</i>
	Paraphrase Detection , Malhotra A., Roy A.B., Singh A., Gajula T.,	<i>Sep-Dec 2019</i>
	AquaPredicto — Freshwater quality management system for lakes , Halder A., Roy A.B., Sharma R., Hegde V., S. Kumuda,	<i>2016 R10-HTC</i>
EDUCATION	M.S. Computer Science, University of Colorado Boulder	<i>Aug 2019 - Present, Boulder, CO</i>
	<ul style="list-style-type: none">GPA- 3.75/4.00, Data Science Specialization, Graduation- May 2021Courses- Machine Learning, Design & Analysis of Algorithms, Neural Networks & Deep Learning, Distributed Systems, Convex Optimization, Datacenter Scale Computing	
	B.E. Electronics & Instrumentation, BMSCE	<i>Grad. May 2016, Bangalore, India</i>
	<ul style="list-style-type: none">GPA- 9.58/10.00, Gold MedallistCourses- Digital Signal Processing, Operating Systems, Computer Networks, Embedded Systems	
SKILLS	Python, Numpy, Pandas, Scikit Learn, Tensorflow, Java, J2EE, SOAP, REST, C, C++, JavaScript, jQuery, HTML, CSS3, Bootstrap, JUnit, MySQL, MATLAB, LabView, Jboss, Git, Linux, Bitbucket, Maven, Jenkins, JIRA, GCP	
AWARDS	Excellence Award, Mcfadyen Digital	<i>2017</i>
	Best Student Section- Outstanding Project Award, ISA District 14	<i>2016</i>