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EXPERIENCE	Research Assistant, Internet Systems Lab <i>Jan 2020–Present, CU Boulder</i> <ul style="list-style-type: none">Developed a CMAS spoofer device for generating fake SIB12 alerts in 4G LTE networks using SDR B210 and open source srsLTE software.Developed a digital signature based solution to digitally sign SIB12 alerts, and modified android source code to verify the sign of incoming 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.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
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 2021Graduate Course Assistant, <i>CSCI-3022 Intro to Data Science with Probability and Statistics</i>, Summer 2020Courses- 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	Java, J2EE, Python, Numpy, Pandas, C, C++, JavaScript, jQuery, HTML, CSS3, SOAP, REST, Bootstrap, JUnit, MySQL, MATLAB, LabView, Jboss, Git, Linux, Bitbucket, Maven, Jenkins, JIRA, Scikit Learn, Tensorflow, GCP
AWARDS	Excellence Award, Mcfadyen Digital <i>2017</i> Best Student Section- Outstanding Project Award, ISA District 14 <i>2016</i>
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>