SAI KRISHNA DUABGUNTA
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OBJECTIVE : To obtain a position of Co-op or internship in the field of Computer Science that would let me use my skills.

SKILLS :

Programming Languages : CUDA C, C++, Objective - C, Swift, Java, Javascript, HTML, CSS
Frameworks : UIKit, Bootstrap, SemanticUI, Materialize
Programming Skills : Problem solving techniques, Front-End development, iOS development,

EDUCATION :

NEW JERSEY INSTITUTE OF TECHNOLOGY, NEWARK   **Expected Graduation: December, 2017**

Master of Science in Computer Science,   GPA : 3.3
Key Courses : Data Structures & Algorithms, Data Science, Machine Learning

ANDHRA UNIVERSITY, INDIA   **May, 2014**
Bachelor of Technology in Computer Science   CGPA :   6.58 / 10.00

WORK EXPERIENCE :

iOS DEVELOPER, NEW JERSEY INSTITUTE OF TECHNOLOGY   **Jan,2017 - Present**
- Integrate PubNub into a real time chat application for subscription to a channel
- Design and develop custom controllers for new and efficient way of interacting with the application
- Integrate Social SDKs and use Facebook for alternative sign in purposes
- Collaborate with design team to bring out new features in the application

iOS DEVELOPER, Freelance   **Aug, 2014**
- Developed a item's list view controller and shopping cart controller for an e-commerce application
- Developed a OCR application that uses Abbyy's SDK to detect text from and image taken from either camera or a photo from library
- Developed a custom controller for a music application that needed redesigning of a progress bar.

PROJECTS :

COORDINATOR
- Application for a research project in GITC, New Jersey Institute of Technology,
- This application allows user to interact with a group of people based on the common interests
- This project required integration of PubNub a realtime text exchange point, that allows a developer to create a channel and subscribe to it to develop a realtime chat application

MOBILEOCR
- OCR application that uses SDK from Abbyy's Software
- This application recognizes text from an image taken from with camera or photo library and save them in the memory
- Usage of Core Data to preserve the texts recognized
- Integrated Facebook, Twitter to let the user post the recognized text.

IMPLEMENTATION OF GRAPH ALGORITHMS - PAGE RANK
- Implementation of Google's Pagerank and HITS algorithm to calculate the page rank and apply rules of page rank to determine the order of appearance of nodes.

IMPLEMENTATION OF HUFFMAN ALGORITHM
- Implementation of Huffman's algorithm to compress any file to 55.5% of its space and decompress it.