KANIKA SHARMA

3800 SW 34th Street Building HH #345, Gainesville, FL, US 32608
(352)-999-3519 | kanika.sharma@ufl.edu | www.linkedin.com/in/skanika | https://github.com/skanika-git

EDUCATION

University Of Florida • Gainesville, Florida *Aug 2019 – Dec 2020*
Master of Science, Computer Science
Relevant Courses: Computer Networks; Analysis of Algorithms; Advanced Data Structures

PES Institute of Technology - South Campus • Bangalore, India *Aug 2013 – July 2017*
Bachelor of Engineering with Honours in Computer Science & Engineering

SKILLS

Programming Languages:	Java, C++, Python
Databases:	Oracle, MySQL,Teradata
Tools/Libraries:	Endur, Magento (MVC), OpenCV, NumPy, Scikit
Web Technologies:	HTML5, CSS3, Javascript(ES6), PHP

WORK EXPERIENCE

Sapient Consulting Private Limited - Publicis Sapient *Nov 2017 – June 2019*
Software Engineer *Bangalore, India*

- Designed and developed APIs (Java) and stored procedures (Oracle) to handle specific client trading requirements on Endur, an ETRM solution
- Designed and implemented regression test lifecycle plan and test cases for a database migration project from SQL to Teradata improving latency of real time trading reports by 45%
- Analyzed failures and fixed them to perform trading platform upgrade for a client
- Automated trade deal lifecycle testcases using QTP which reduced $\sim$ 4 hrs of manual effort each day

Synnov *Jan 2016 – Feb 2016*
Software Engineering Intern *Bangalore, India*

- Optimized SQL queries through refactoring for improving latencies
- Performed testing and bug fixing of PHP scripts, in Magento framework (MVC)

PROJECTS

File sharing application *Fall 2019*

- Implemented a peer to peer network architecture for a file sharing application
- The file owner sends an initial number of file chunks to the peers, who communicate amongst each other to download the remaining chunks

FTP Client Server *Fall 2019*

- Developed a client server application that allowed clients to upload files, fetch files and query file info from server

Prediction of Nutrient Deficiency in the Human Body *Spring 2017*

- Developed a computer vision system using OpenCV to predict nutrient deficiency by extracting nutritional information from the image of food that an individual consumes
- Implemented SIFT algorithm with KNN for image matching. Extended it to a website for a better user experience

Food Delivery System *Fall 2016*

- Designed and implemented a dynamic database for food delivery website
- Developed a website that allowed users to order food based on cuisines and restaurants
- Recommendations to users were also provided, based on order, click history and popular items

Yelp Restaurant Photo Classification *Spring 2016*

- Predicted attribute labels for restaurants using user-submitted photos
- Used pretrained VGG-16, Inception-V3 neural networks and VLAD descriptor to compute business level features. Created linear OnevsRest SVM classification models

EXTRA CURRICULARS

Sapient IOT Hackathon *May 2018*

- Developed a smart solution for power companies to predict power prices
- The smart device collects voltage data for industrial and domestic usage during different hours of the day
- Companies are provided with power graphs to make pricing strategies