

# Teja Kanchinadam

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## EDUCATION

### UNC CHARLOTTE

MS IN COMPUTER SCIENCE  
Grad Dec 2016 | Charlotte, NC  
GPA: 3.7 / 4.0

### BTECH IN ELECTRONICS & COMMUNICATION

Grad May 2013 | Hyderabad, India  
Institute Gold Medalist  
GPA: 4.0 / 4.0

## FIND ME ON

Github:// [tkanchin](#)  
LinkedIn:// [kanchinadamteja](#)  
Kaggle:// [tkanchin](#)  
Portfolio:// [tkanchin.github.io](#)

## COURSEWORK

### GRADUATE

Algorithms & Data Structures  
Machine Learning  
Numerical Optimization  
Deep Learning  
Knowledge Discovery in Databases  
Data Warehousing  
Mobile Application Development  
Visualization & Visual Communications  
Software Systems Design & Implementation

### UNDERGRADUATE

Operating Systems  
Digital Signal Processing  
Probability Theory & Stochastic Process  
Microprocessors & Microcontrollers  
Computer Networks  
Digital Image Processing

## SKILLS

### PROGRAMMING

C • C++ • Java • Python • PHP  
Lua • CUDA • Shell • JavaScript  
HTML • CSS • Android • OpenCV  
Linux • MySQL • MongoDB • HBase

Hadoop • MapReduce • Spark  
MATLAB • Hive • D3.js

Torch7 • Caffe • Keras • MXNET  
Pandas • Scikit-Learn

### FAMILIAR

Elastic Search • Kafka • RabbitMQ  
Angular.js • IOS • WatchOS

## EXPERIENCE

### UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE | FULL STACK ENGINEER

Jan 2016 – Dec 2016 | Charlotte, NC

- Development and maintenance of web applications using **PHP, Ubuntu, Apache, MySQL, JavaScript & Drupal**.

### TECHNICOLOR CORPORATE RESEARCH | RESEARCH ENGINEER INTERN

May 2016 - Aug 2016 | Los Altos, CA

- Full Stack: Researched, designed and developed a data engineering pipeline to reverse engineer unstructured Android logs using **Android SDK, Java, Shell, Python, MongoDB, Rest, Node.js, JSON & AWS**.

### CONGIZANT TECHNOLOGY SOLUTIONS | SOFTWARE ENGINEER

Nov 2013 – June 2015 | Kolkata, India

- Worked primarily as a backend engineer. Optimized the performance of code by addressing the memory leaks and developed **REST API's** in mostly **Java**.
- Developed a tool Bug Bank by fetching data from the test management tool, ALM using **Python & VBScript**; added value to client services by increasing the time efficiency and cost reduction.
- Developed reporting tools to fetch data from backend and tied them with web dashboards using **SQL, Python & JavaScript**.

## RESEARCH

### UNC CHARLOTTE WINS RESEARCH LAB | RESEARCH ASSISTANT

Aug 2015 - Dec 2016 | Charlotte, NC

- Worked under **Dr. Jamie Payton** in developing machine learning pipelines for human activity recognition using data extracted from wearables.
- Developed tools for data analysis, feature engineering modules in **Python**.

## ACADEMIC & OPEN SOURCE PROJECTS

- Developed over **20+** native android applications for educational and teaching purposes using **Android SDK, Java, FireBase, REST, JSON, MySQL & PHP**.
- Image Captioning tool using VGGNet(CNN) and LSTM (RNN) network using **Torch, Lua, CUDA & Linux**, <http://104.196.162.89/imageCaption/index.html>
- Calorie Management System is an **ETL tool** to help users keep track of their calories built using **Android, Java, PHP, JSON, AWS & DataWarehouse**.
- Image Classification by applying KNN, Template matching, Custom CNN & InceptionV2 using **Python, Caffe, CUDA, Linux, HDFS & OpenCV**.

## AWARDS

2016	1st/30	Patent Brainstorming at Technicolor, Los Altos
2016	Finalist	Graduate Research Symposium at UNC Charlotte
2013	1st/250	Gold Medalist for academic excellence during Bachelors
2007	Finalist	Indian National Mathematics Olympiad

## PUBLICATION

**Masters Thesis**: 'A Framework for the use of Wearables to Enable Study of Stress'. A novel tool to recognize stress in real-time from physiological symptoms using data analysis, machine learning and deep learning.