Teja Kanchinadam

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EDUCATION

UNC CHARLOTTE
MS in Computer Science
Grad Dec 2016 | Charlotte, NC

BTech in Electronics & Communication
Grad May 2013 | Hyderabad, India
Institute Gold Medalist

FIND ME ON

Github:// **tkanchin**
LinkedIn:// **kanchinadamteja**
Portfolio:// **tkanchin.github.io**

COURSEWORK

GRADUATE
Algorithms & Data Structures
Machine Learning
Data Warehousing
Mobile Application Development
Visualization & Visual Communications
Software Systems Design & Implementation

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

SKILLS

PROGRAMMING
Python • Java • SQL • PHP • C++
JavaScript • Shell • Android
Linux • MySQL • MongoDB

PySpark • HIVE • Tensorflow
Keras • Scikit-Learn • PySolr

INTERESTS

- Applied Research
- Problem Solving
- Natural Language Understanding

EXPERIENCE

AMERICAN FAMILY INSURANCE | Statistical Research Modeler - Machine Learning
May 2017 – PRESENT | Madison, WI
- Proposed a scalable Bayesian Network structure learning algorithm which optimizes training and inference times by many folds using mostly Python. (Recommendation Systems, Probabilistic Graphical Models)
- Proposed a encoding algorithm which transforms a multi-instance learning problem suitable for Deep Learning using Python, TensorFlow. (Recommendation Systems, Deep Learning)
- Worked extensively on text classification/regression using various feature representations like TFIDF/Embeddings applied at word/sentence/document levels. (NLP, Machine Learning, Deep Learning).

UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE | Full Stack Engineer (Graduate Assistant)
Jan 2016 – Dec 2016 | Charlotte, NC
- Developed several modules for the Stars Community websites using Drupal & PHP.
- Responsible for maintenance of these websites on school's servers which includes hardware errors, disk usage, application updates, etc..
- Developed tools to pull reports from the databases using Python and SQL.

TECHNICOLOR CORPORATE RESEARCH | Research Engineer Intern
May 2016 - Aug 2016 | Los Altos, CA
- Developed a daemon on Android OS which extracts information from logs and network packets.
- Responsible for research, design and development of this data engineering pipeline with the end goal of learning about user behavior.

CONGIZANT TECHNOLOGY SOLUTIONS | Software Engineer
Nov 2013 – June 2015 | Kolkata, India
- Worked primarily as a backend engineer. Responsible for code optimization, development, deployment, enhancement, unit testing and bug fixing.
- Developed a tool which fetches data from the test management tool, ALM using Python; added value to client services by increasing the time efficiency and cost reduction.

RESEARCH

UNC CHARLOTTE WINS RESEARCH LAB | Research Assistant
Aug 2015 - Dec 2016 | Charlotte, NC
Worked with **Dr. Jamie Payton** in developing a tool which recognizes stress in real times via Machine Learning using physiological signals from wearable devices.

PUBLICATION

[1] Teja Simha Kanchinadam. A framework for the use of wearables to enable study of stress. Master's thesis, The University of North Carolina at Charlotte, 2016.