Teja Kanchinadam

Data Scientist

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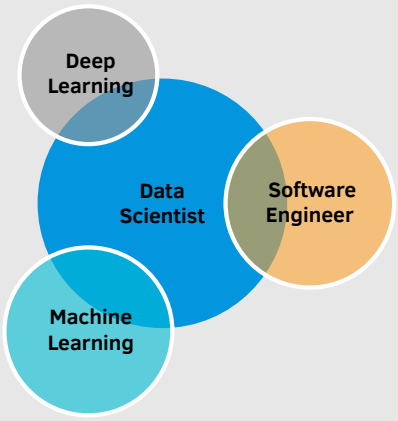
tkanchin

Technical Skills

Overview



Programming

$0\ LOC \longrightarrow 5000\ LOC$

Python • Java

Tensorflow • PyTorch • Pyspark

JS • SQL • Android • C++ • LaTeX

Education

MS., Computer Science
University of North Carolina Charlotte
Grad. 12/2016 | Charlotte, USA

BTech., Electronics Communications Engineering
JNTU Hyderabdad
Grad. 06/2013 | Hyderabad, India

Experience

May 2017 - Present — **Data Scientist** — American Family Ins.

- **Recommender:** Designed a structure learning algorithm which speeds up training & inference times up-to 700 times and, still outperforms state-of-the art algorithms. Paper published in ICMLA 2018 and nominated for best paper award. Deployed the project into production.
- **Customer Satisfaction:** Designed a document ranking model using Graph Neural Networks to predict customer satisfaction (ordinal) on phone calls. The model outperforms state-of-the-art deep learning regression models & linear ranking models. Paper submitted to KDD 2019. Deployed the project into production.
- **DeepRecommender:** Designed a deep learning based model which mimics the generative capability of bayesian networks to provide recommendations.
- **Chatbot:** Developed a search engine to assist the knowledge graph driven Chatbot.

May 2016 - Aug 2016 — **Research Engineer Intern** — Technicolor

- Developed tools on Android TV which extracts information from developer logs on user activities. Responsibilities: Research, design & full-stack development

Aug 2015 - Dec 2016 — **Research Assistant** — UNC Charlotte

- Developed & maintained Stars Community websites – 2 million NSF funded project on school's servers. Responsibilities: design, development, debugging hardware errors, disk usage, application updates, etc.
- Worked with **Dr. Jamie Payton** in activity recognition via Machine Learning. Developed tools on Android to recognize stress in real time using physiological signals from wearable devices. (Thesis)

Nov 2013 - Jun 2015 — **Software Engineer** — Cognizant

- Worked primarily as a backend engineer. Responsibilities: deployment, enhancement, unit testing & 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.

Publications

[1] Kanchinadam, Teja, Maleeha Qazi, Joseph Bockhorst, Mary Y. Morell, Katie Meissner, and Glenn Fung. "Using Discriminative Graphical Models for Insurance Recommender Systems." In 2018 17th IEEE International Conference on Machine Learning and Applications (ICMLA), pp. 421-428. IEEE, 2018.

[2] Maleeha, Q. & Tunuguntla, S. & Lee, P. & Kanchinadam, T. & Fung, G. & Arora, N. "Discovering Temporal Patterns from Insurance Interaction Data." Association for the Advancement of Artificial Intelligence (AAAI). IEEE, 2018.

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

Patent

[1] Hamidi-Rad, Shahab, Kent Lyons, Akshay Pushparaja, Y. A. O. Zijun, Gaurav Agarwal, Alan Zhang, Teja Kanchinadam, & Rushil Khurana. "Determining full-body pose for a virtual reality environment." U.S. Patent Application No. 15/985,783.