KUMAR NITYAN SUMAN

Data Scientist - Youplus Inc.

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SUMMARY

Data Scientist with sound experience in artificial intelligence, natural language processing and computer vision executing data driven solutions to increase efficiency and impact on decisions. Committed to helping companies develop advance AI strategies. Bringing proven track record of analyzing large chunk of data and serving as a strong innovator. Involved in open source community and an occasional Kaggler, part time cook and researcher.

EXPERIENCE

Data Scientist

Youplus Inc.

📅 July 2018 – Present   ⚲ Bangalore, India

At Youplus, my major responsibilities includes research and development of Natural Language Processing and Computer Vision based solutions. Some highlights of the projects I have undertaken:

- Fine-tuned BERT for Aspect Based Sentiment Analysis via Augmented Sentence Construction.
- Named Entity Recognition for Brand and Product Details.
- Multi-Domain Product Categorization.
- Co-reference Resolution Solution for Machine Transcribed Video Transcripts.
- Implicit Attribute Identification for E-Commerce Products.
- Multi-domain Objective Detection on Video with Faster CNN.
- Skin Detection for Nudity Identification on videos with Image processing.

Campus Ambassador

IBM

📅 August 2017 – May 2018   ⚲ Bengaluru, India

- Mentored students (25+) for coding events and multiple technical competitions.
- Organized multiple seminars and workshops related to entrepreneurship, data sciences and life.
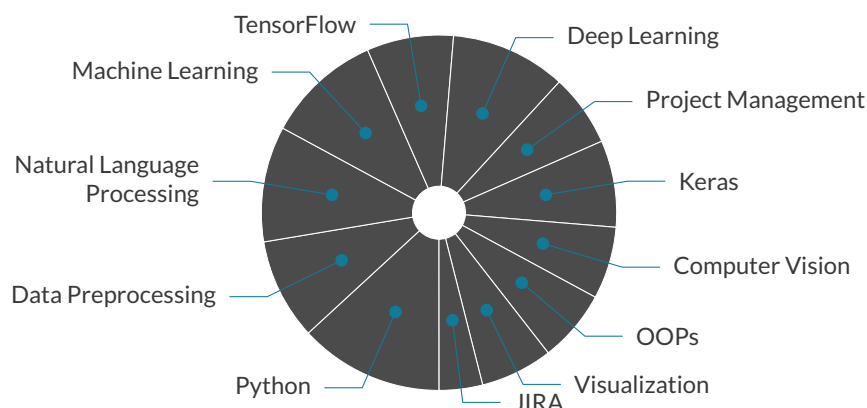
Campus Ambassador

Entrepreneurship Cell - IIT Kanpur

📅 June 2015 – April 2016   ⚲ Bengaluru, India

- Established a entrepreneurship group in the college with an aim to enhance the understanding of entrepreneurship among peers.
- Organized and took seminars on new and upcoming technologies like machine learning, data sciences.

SKILLS

TensorFlow · Machine Learning · Natural Language Processing · Data Preprocessing · Python · JIRA · Visualization · OOPs · Computer Vision · Keras · Project Management · Deep Learning

RECENT PROJECTS

- **Neural Machine Translation**
  Implemented GRU with attention mechanism to translate 'German' text sequences to 'English'.
- **Deep Neural Image Caption Generation**
  Attention based image caption generator.
- **Fine-tuned BERT for Toxicity Classification**
  Fine-tuning transformers on a custom dataset to detect toxic comments via sudo sentence construction strategy.
- **Suggestion Mining from E-Commerce Reviews**
  Using character embeddings with bidirectional LSTMs to identify suggestions.
- **Quora Insincere Content Detection**
  Word with character embedding to identify insincere content to improve online conversations.
- **Question De-Duplication**
  Using siamese bidirectional LSTMs to identify similar semantic text sequences.
- **Handwritten Digit Classification**
  Classifying handwritten digits using shallow CNNs.
- **Fashion Cloths Image Classification**
  Identifying clothing images using Alex-Net.
- **Multi-Domain Movie Reviews Sentiment Analysis**
  Sentiment analysis on multi-domain reviews using Text-CNN.

EDUCATION

PES Institute of Technology
B.E. Information Science and Engineering

📅 August 2014 – July 2018   📍 Bengaluru, India

D.A.V. Public School
High School: Science and Maths

📅 July 2012 – March 2014   📍 Patna, India

Gyan Niketan
Science and Humanities

📅 July 2004 – March 2012   📍 Patna, India

MOST PROUD OF

- 🏆 **Youplus Excellence Award**
  Awarded for the exceptional work done in AI.
- 🏆 **Runner-Up: Machine Learning and Data Science Hackathon**
  Microsoft India
- 🏆 **Bronze Medal: Week Of Code**
  Hackerrank
- 📖 **Social Recruitment - A novel technique to hire potential knowledge workers**
  Conference: RISE - 2017
- 📖 **Marvin - The Intelligence Evaluator**
  Conference: AICAAM - 2019

VOLUNTEER EXPERIENCE

- Open Source Contributor - Dark Jupyter
- Machine Learning and Data Science Mentor - inGenius Hackathon
- Project Review Committee Member - Kalpana
- Contributor - GeeksForGeeks
- Part-Time Data Science Guide