Sassi Kesavan Sankara Seenivasan

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EDUCATION

- **University at Buffalo** — Buffalo, NY
  Master of Science in Computer Science; GPA: 3.37 — Aug. 2018 - Dec. 2019

- **Kumaraguru College of Technology, Anna University** — Tamil Nadu, India
  Bachelor of Technology in Information Technology; CGPA: 7.39/10.0 — Aug. 2010 - May. 2014

EXPERIENCE

- **Cognizant Technology Solutions** — Chennai, India
  Programmer Analyst-GSK NAP IT — July 2014 - May 2018
  - Worked as Level II Administrator in a learning management system, SAP SuccessFactors, which is one of the most popular LMS before taking up lead's role
  - Developed learning contents for the users in HTML and JavaScript using the tools Articulate StoryLine and Captivate
  - Created learning records and generated customized reports using business objects to provide insight about the performance of the learners in the LMS to be used by almost 300,000+ users in different locations across the globe and also managed their learning activities.
  - Automated perfunctory tasks using python programming and VBA script that drastically reduced the efforts of the team in high priority tasks saving 4060 GBP/per year for the client which was equivalent to 2FTEs and boosted the productivity by 15%.
  - Engineered an automation tool using VBA script that helped in reducing the efforts of the lead to track and monitor the status of the project and utilization of the team
  - Recommended process improvements proactively which led to better quality in work and helped the team to achieve a benchmark accuracy of 98%
  - Mentored new recruits and trained them to meet the requirements. Participated and worked hands-on in problem solving techniques training such as Fishbone Analysis and 5 whys technique

GRADUATE CLASS PROJECTS

- **Machine Learning**: Learning to rank using Linear Regression - Hand writing Comparison using Logistic Regression - Character Classification of MNIST and USPS dataset using Logistic Regression, Support Vector Machines, Neural Networks - Agent Navigation in grid environment using Reinforcement Learning.
- **Computer Vision and Image Processing**: Hands-on projects in following topics, Edge Detection - Key Point Detection - Pattern Matching - Image Features and Homography - Epipolar Geometry - K-means Clustering - Morphology Image Processing - Image Segmentation and Point Detection - Hough Transform.
- **Pattern Recognition**: Hands-on projects in following topics using MNIST, Discriminant Analysis, Support vector machines, Probabilistic Graphical modal, Restricted Boltzmann Machine, Variational Autoencoders
- **Deep Learning**: Hate speech detection using Bidirectional Transformers and Deep Neural networks- Implemented different deep learning architectures including the state of the art techniques for this problem and evaluated the performance of the different models against traditional hate speech detection methodologies using twitter data.

PROGRAMMING SKILLS

- **Languages and Technologies**: Python, Javascript, jQuery, Bootstrap, SQL, MongoDB, NodeJS, EJS
  Python Libraries:Numpy,Pandas,OpenCV,Matplotlib,Keras,Tensorflow

LEADERSHIP EXPERIENCE AND ACTIVITIES

- **President**: Department of Information Technology 2013-2014; Organized 2 conferences and 1 symposium for the department, handling a budget of Rs.10 Lakhs and received "Best Supporter Award" for my volunteer activities in the events organized by the college during my undergrad
- **Captain**: College Handball team 2013-2014 and selected to represent a zone of 35 colleges in Anna University Interzone team