

YOGESH CHELLAPPA CHOCKALINGAM

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EDUCATION

University of Wisconsin-Madison, Madison, WI

May 2019

- MS, Computer Science (GPA: 3.55)
- **Courses:** Machine Learning, Computer Vision, Data Science, Artificial Intelligence

PES Institute of Technology, Bangalore, India

May 2015

- BE, Computer Science (GPA: 3.68)
- **Courses:** Algorithms, Data Structures, Databases, Operating Systems, Computer Networks, Parallel Computing

WORK EXPERIENCE

Intuit Inc, Software Engineer 2, Bangalore, India

Aug 2015 - Aug 2017

- Delivered key business features on TurboTax Desktop including a contextual tax query system and a screen sharing module for connecting users to tax professionals.

Intuit Inc, Co-op Intern, Bangalore, India

Jan 2015 - Jun 2015

- Imported business and financial data from QuickBooks into TurboTax using REST APIs, thus jump starting a tax return. This helped reduce the time spent on preparing a tax return by 20 minutes and data entry errors by 15%.

GE Healthcare, Software Engineering Intern, Bangalore, India

Jun 2014 - Jul 2014

- Built a computer vision system using OpenCV to track patients in a hospital ward by aggregating multiple WebRTC based live video streams and applied background subtraction to track the patient. Attained 63% accuracy.

SKILLS

- **Programming:** Python, Java, Objective-C, C, C#, SQL, JavaScript, HTML/CSS, PHP
- **Tools:** Keras, TensorFlow, scikit-learn, Jupyter, Flask, Power BI, Pandas, OpenCV, Git, P4V, MATLAB

PROJECTS

Thematic Neural Style Transfer, University of Wisconsin-Madison

- Transformed a given image to a stylized version using neural style transfer to combine multiple artistic styles by using the layers of VGG-16 convolutional neural network. [\[Github\]](#)

Tag Prediction for StackOverflow Questions, University of Wisconsin-Madison

- Developed a multi-class, multi-label ensemble classifier with support vector machines and decision trees to predict the tags of StackOverflow questions, given the question title and body. Attained an F1 score of 0.64.

Driver Fatigue Detection System, PES Institute of Technology

- Developed a system using OpenCV to detect fatigue in drivers by uniquely combining eye tracking and blink detection, yawning detection, pulse rate and core body temperature of the driver. Achieved 80.55% accuracy and 97% recall with sub-second alerts being sounded through the vehicle's audio system.
- Published at IEEE International Conference on Signal and Image Processing – 2016, Beijing. [\[Link\]](#)

Question Pairs on Quora, Kaggle

- Detected pairs of questions on Quora which have the same semantics using a Siamese neural network with custom word embeddings and bidirectional LSTMs. Attained an accuracy of 64%. [\[Github\]](#)

Detecting Spam in SMS, Kaggle

- Classified SMS as spam or ham, using word embeddings and a deep neural network. Attained an accuracy of 98.13% on the test set. [\[Kaggle\]](#)

LEADERSHIP, HACKATHONS AND AWARDS

- Lead editor of the annual college magazine, Eclat (2014 - 2015)
- Intuit – Star of the Quarter (2015 & 2017)
- Winner – Intuit Hackathon (2016 & 2017)
- Second Runners – Harman World Hackathon (2016)
- Second Runners – JP Morgan Code for Good Hackathon (2014)