YOGESH CHELLAPPA CHOCKALINGAM

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EDUCATION

University of Wisconsin-Madison, *Madison, WI* **May 2019**

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

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.
- Improved product quality by adding a tool for crash reporting, triaging and analysis. Reduced crashes by roughly 40% over a year.
- Designed and launched TurboTax, on the Windows 10 App Store in 60 days.

Intuit Inc, *Co-op Intern, Bangalore, India* **Jan 2015 - Jun 2015**

- Imported business and financial data from QuickBooks into TurboTax, 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 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#, .NET, SQL, JavaScript, HTML/CSS, PHP
- **Tools:** OpenCV, TensorFlow, Python scikit-learn, Flask, NumPy, Pandas, Bootstrap, Git, P4V, MATLAB

PROJECTS

Thematic Neural Style Transfer, *University of Wisconsin-Madison*

- Transformed a given image to a stylized version by combining multiple artistic styles related to a common theme by using the layers of VGG-16 convolutional neural network.
- A user survey of the results was conducted, with 62.5% of the 200 respondents preferring the thematic stylization as opposed to stylization with a single style.

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]

Shopping Assistant, *Myntra Hackathon*

- Simulated a fitting room by tracking the shopper's face using OpenCV and modelling the clothing onto the shopper's torso. This idea was placed third among 125 teams.

LEADERSHIP, HACKATHONS AND AWARDS

- Lead editor (Technology) 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)