
EDUCATION

- **University of Wisconsin-Madison** Madison, WI
Master of Science, Computer Science (Machine Learning specialization); GPA: 3.76
May 2019
- **PES Institute of Technology** Bangalore, India
Bachelor of Engineering, Computer Science; GPA: 9.21/10
May 2015

EXPERIENCE

- **Intuit** San Diego, CA
Software Intern
May 2018 - Aug 2018
 - Drove the backend design and implementation of the Employee Purchase Program to provide employees with discounted Intuit products via vouchers.
 - Designed the database schema and created tables on AWS DynamoDB to track voucher claims. Built and deployed a RESTful Java service on AWS, to perform CRUD operations on the database.
- **Intuit** Bangalore, India
Software Development Engineer 2
Aug 2015 - Aug 2017
 - Delivered key business features on TurboTax Desktop including a tax query system and a screen sharing module for connecting customers to tax professionals.
 - Improved product quality by roughly 40% by adding a tool for crash reporting, triaging and analysis.
- **GE Healthcare** Bangalore, India
Software Intern
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.

SKILLS

Languages: Python, SQL, Java, Objective-C, C, C#, JavaScript, HTML/CSS, PHP

Tools: Keras, TensorFlow, Scikit-Learn, Jupyter, Flask, DynamoDB, Power BI, Pandas, OpenCV, Git, P4V

PROJECTS AND PUBLICATIONS

- **Text Synthesis from Lip Movements [Project Wiki]**
Compared traditional computer vision techniques against neural networks for lip reading. Extracted features and built a model using optical flow, 3D convolutional layers and RNNs. Attained a BLEU score of 0.27.
- **Tag Prediction for StackOverflow Questions [GitHub]**
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.
- **Embedding Database Records [GitHub]**
Designed a scheme to embed database records and built a pipeline to perform error detection and error correction of dirty records. Obtained 95% precision in error detection and 83% accuracy in error cleaning.
- **Question Pairs on Quora [GitHub]**
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 68.6%.
- **Driver Fatigue Detection System [ICSIP 2016]**
Developed a system to detect fatigue in drivers by combining eye tracking, blink detection, yawning detection, pulse rate and core body temperature of the driver. Achieved 80.55% precision and 97% recall.

HACKATHONS AND AWARDS

Winner: UW-Madison EnerHack (2018)

Winner: Intuit Hackathon (2016 & 2017)

Star of the Quarter: Intuit (2015 & 2017)

Second Runners: Harman World Hackathon (2016)