

ABHILASH VALLAMKONDA

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EDUCATION

Texas A&M University, College Station, Texas
MS in Computer Science

August 2019
GPA : 3.9/4.0

National Institute of Technology, Karnataka
BS in Electrical Engineering

May 2014
GPA : 8.5/10.0

Relevant Coursework

Artificial Intelligence, Machine Learning, Software Engineering, Analysis of Algorithms, Database Systems, Information Retrieval, Computer Architecture

MS Thesis

May 2018 - July 2019

Model Attack on Convolutional Neural Networks

We analyzed the threat of hackers causing a deep neural network to misbehave by modifying its parameters. We demonstrated that such an attack is possible and proposed strategies to detect it.

PROJECTS

- **Ask Me Anything** : Designed a deep learning model which could answer questions based on a passage of text.
- **Can you guess the word?**: Built a word game where the player has to guess the word based on the available clues. The clues were generated by querying the Oxford online dictionary.
- **CrowdMentor** : Built a crowdsourcing website to enable collection of data for research on improving workers' performance and engagement.
- **AmazeRec** : A personalized recommender system which considered the sentiments of reviews to improve recommendations.
- **Interactive Story Writer**: A website which helped users write stories. The system analyzed user input and suggested possible continuations to their story.

WORK EXPERIENCE

University Writing Center

Writing Consultant

August 2018 - August 2019

- Tutored students to help them improve their writing and speaking skills in online and face-to-face sessions.
- Developed a program to anonymize session notes so that they could be analyzed without compromising the students' identities.

Robert Bosch Engineering and Business Solutions Ltd, Bangalore

Software Engineer (Embedded Systems)

July 2014 - July 2016

- Developed software to operate the Lambda Sensor (lambda is the Air to Fuel ratio in the engine).
- Initiated and performed Component level testing for the Lambda Sensor Package; this allowed me to gain an in-depth understanding of the entire package.
- Mentored new recruits and helped them gain an understanding of the system.

LANGUAGES AND TECHNOLOGIES

Python, Tensorflow, Django, Javascript, C++, C, Verilog, Microcontrollers, Prolog, Matlab

EXTRACURRICULAR ACTIVITIES

- I am a member of the Aggie Book Club and Texas Runners Against Cancer, a running organization.
- Participated in TamuHack 2018 and 2019, successfully completing on both occasions.