

# GAUTAM BAKLIWAL

linkedin.com/in/gautam-bakliwal/  
github.com/Gautam8080

Gautam08bakliwal@gmail.com

(806)-317-9902

## EDUCATION

### TEXAS TECH UNIVERSITY

Lubbock, TX

Bachelor of Science in Computer Science; Mathematics minor

Expected – May 2021

- Cumulative GPA: 3.8/4.0
- Undergraduate Research Scholar – Honors College

## WORK EXPERIENCE

### COLLEGE OF HUMAN SCIENCES - TEXAS TECH

Lubbock, TX

Research Intern

Jan 2019 – Aug 2019

- Re-engineered an **Interactive Decision Tree** in a GUI format for a **\$1 million** project to pair orphaned children with foster parents that lets the user decide the direction and question to split the data.
- Analyzed brain EEG signals to study disturbance patterns to improve cognitive functions with **deep learning**.

### APPLIED VISION LAB – TEXAS TECH UNIVERSITY

Lubbock, TX

Research Assistant

May 2018 – Jan 2019

- Collaborated with lab to improve the quality and accessibility of data used in developing a low-cost unmanned machine vision system with neural networks to compute the harvest in the early stages of the Cotton plant.

## PROJECTS

### STANFORD UNIVERSITY

Stanford, CA

Copture - Treehacks

Feb 2019

- Developed a crime surveillance Camera Assistant app that operates police body cameras autonomously.
- The project was appreciated for its impact by Axon Inc. responsible for all police body cameras in US.

### HARVARD UNIVERSITY

Boston, MA

StyleAI - HackHarvard

Oct 2018

- Built an intelligent fashion assistant application which recommends outfits every day from the user's wardrobe.
- Presented research at **Undergraduate Research Conference** and stood in top 20 out of 340+ presenters.
- The project won **Red Raider Idea Competition** by Innovation Hub with a monetary award for automation.

### RICE UNIVERSITY

Houston, Tx

Project Portal - HackRice

Sept 2018

- Designed a Home Security Face Verification web app for pets to stop any unwanted access using **TensorFlow**, **Python** based on one shot learning algorithm.

### TEXAS TECH UNIVERSITY

Lubbock, TX

Smart Chess – Data Structures and Algorithms Project

Dec 2018

- Devised an intelligent chess system which predicts the most efficient move to checkmate the opponent in **C++**.

## INVOLVEMENT

### o MACHINE LEARNING RESEARCHER - CS Department

Jan 2018 – April 2018

Compared Implementations of **Classification and Regression Trees** with and without **K-Means** to evaluate improvements in classification and better insight into the data with a **10-Fold Cross-Validation**

### o FOUNDER – NaboNosh

Jun 2018

Founded a start-up app to decentralize Home-cooked food industry which received seed funding for Innovation.

### o FOUNDER – AlliedBuy

Jun 2016

Founded an Affiliate Marketing Company that recommended products to social media users based on their profiles.

### o PARTICIPANT - Startup Accelerator for Innovation: I-Corps NSF Program

Mar 2018

### o MENTOR OF UNDERPRIVILEGED CHILDREN: Hope Community of Shalom

Aug 2017

## SKILLS

•Python •C/C++ •Frontend •JAVA •Data Analysis •SQL •Agile Development •Statistics  
•MATLAB •GUI •Backend •Cloud •Machine Learning •Linux •Web Development •DevOps