

# SANKET NAYAK

## Undergraduate Computer Science Engineering Student

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## EDUCATION

BSE — Computer Science

University of Michigan — Ann Arbor

📅 Sept 2019 - Current

GPA: 3.96

Major GPA: 4.0

Minors: Business, Mathematics

## COURSEWORK

Data Structures & Algorithms

Computer Organization

Web Systems

Machine Learning

NLP, IR & Web Search

Database Management Systems

Applied Linear Algebra

Foundations of Computer Science

CS Pragmatics

## EXPERIENCE

Software Engineer Intern

QOMPLX

📅 May 2021 - Current

📍 Tysons, VA

- Overhauled S3 client data registry feature of custom Python notebook implementation to aid in secure data retrieval using boto3 and created Python package for quick model training
- Collaborated with researchers at UMKC to develop reinforcement learning model using proprietary secure data stores

Junior CMS & Backend Developer

Revize Government Websites

📅 July 2018 - December 2020

📍 Birmingham, Michigan

- Interacted with web designers to design, develop, and implement new EMCA modules for the web content management software
- Converted 25+ website designs into PHP templates and created corresponding Java backends for content management in MySQL

## ORGANIZATIONS

Engineering Student Government

Undergraduate Senator

- Managed distribution of funding to College of Engineering affiliated organizations, overhauled and re-implemented website

Tau Beta Pi Honor Society

Distinguished Active Member

- Tutored underclassmen in engineering classes for 40+ hours per semester, awarded Most Outstanding Undergraduate (W21)

## TECHNICAL SKILLS

### Software Development

Python

C++

C

Java

MATLAB

C#

Docker

Kubernetes

### Web Systems

JavaScript

PHP

HTML5

MySQL

Flask

Postgres

MongoDB

React

AWS (Lambda, S3, EC2, DynamoDB)

### Machine Learning

Torch

TensorFlow

Scikit

NumPy

Pandas

OpenCV

## PROJECTS

### Twitter Location Classifier

#### Project Lead

- Developed RNN (multilayer bidirectional LSTM) with GloVe embeddings with intensive training protocol using Torch, TensorFlow, and NLTK that achieves 13% accuracy in classifying tweets by state using only content of the tweets
- Presented on performance to Google LIT researchers

### Portfolio Website

#### Designer/Developer

- Generated scalable, serverless personal portfolio (client server-side dynamic) website to further develop skill base with jQuery, React, Flask, and Bootstrap
- Deployed with AWS Lambda, S3, API-Gateway and CloudFormation as well as PostgreSQL

### EKGAR (Every Kid Gets a Robot)

#### Founder/Chief Engineer

- Conceptualized, designed and manufactured low-cost robots to be sold in high-income education systems with proceeds going toward distribution in underprivileged communities