

Vismayak Mohanarajan

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EDUCATION

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

December 2019

Bachelor of Science in Computer Engineering

Minor in Mathematical Statistics, Certificate in Data Science

SKILLS

Related Coursework

- ✓ Data Structures
- ✓ Data Science
- ✓ Natural Language Processing

- ✓ AI
- ✓ Algorithms

Programming Languages

- ✓ Python (Advanced)
- ✓ C/C++ (Advanced)
- ✓ Java (Intermediate)
- ✓ SQL (Intermediate)
- ✓ R (Intermediate)
- ✓ HTML & CSS (Beginner)

PROFESSIONAL EXPERIENCE

GRAYBAR

Champaign, Illinois

Innovation Lab Intern

May 2019 - August 2019

- Analyzed GPS data using Pandas to verify time taken for deliveries of shipments to branches
- Created a model to calculate performances and impact of employees on branches
- Utilized Tableau to develop a dashboard to compare productivity between various branches
- Led a team to develop a viable business model for one-day deliveries for business-to-business (B2B) trading

ATLAS

Champaign, Illinois

Website Development Intern

October 2018 - May 2019

- Managed site migration for the Illinois Study Abroad, utilizing SiteFinity, HTML and JavaScript
- Catered to clients' needs and provided valuable input to increase site traffic

IT Help Desk Employee

August 2018 - May 2019

- Collaborated with faculty and students on troubleshooting and resolving technological issues

RESEARCH

NATURAL LANGUAGE PROCESSING

Champaign, Illinois

Emotion Classifier

June 2018 - August 2018

- Led a team of students to upgrade a machine learning model which distinguishes emotions existent in tweets
- Improved preprocessing of data using the NLP package in Python to remove noise and increase overall accuracy
- Compared effects on accuracy by different types of neural networks, through Python's Keras library

LEADERSHIP

ETA KAPPA NU

Champaign, Illinois

ECE Honor Society Member

January 2017 - May 2019

- Planned professional and social events on a monthly basis as a member of the events committee
- Conducted exam review sessions for first year ECE classes and hosted workshops for local organizations

PROJECT HIGHLIGHTS

Sentiment Classifier

- Employed bag-of-words and Naïve Bayes to design a model to differentiate between positive and negative reviews in Yelp and IMDb

Answer Acceptance Predictor

- Applied ensemble modelling to build a prototype to predict the user-acceptance rate of an answer in Stack Exchange

VOLUNTEER EXPERIENCE

RISEFORNEPAL

Dubai, United Arab Emirates

Co-Founder

April 2015 - May 2015

- Spearheaded a campaign to gather necessities for victims of the 2015 earthquake in Nepal
- Organized more than 20 students for a mass door-to-door collection across nearly half of the city
- Collaborated with Emirates Airlines to get free and fast transport for approximately 1000 pounds of food and clothes