DIVYA BHATI

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EDUCATION

University of Illinois at Urbana-Champaign   *Expected December 2020*
B.S. in Computer Science, Minor in Business   GPA: 3.83/4.00

Relevant Coursework:
> Data Structures • Artificial Intelligence • Parallel Programming • Algorithms and Models of Computation
> Linear Algebra • Statistics and Probability • Numerical Methods • Differential Equations • Computer Architecture

EXPERIENCE/ACTIVITIES

Software Development Intern at State Farm   *May 2019 – August 2019*
State Farm Research and Development Center, Champaign, IL
- Used Python to determine sentiment in customer call center data and gain insight into call quality improvement.
- Leveraged tools such as the NLTK library to author a redaction script that filters out SPI and PII from text.
- Filed a patent application for development of a transcription, redaction, and sentiment analysis pipeline.
- Won company-wide hackathon for creating a claim filing mobile app built using Python, Swift, and AWS services such as the Rekognition API, S3 buckets, and Lambda functions that query a Django database.

Research Assistant at SRTI Lab   *January 2019 - Present*
Social Research and Technology Innovation Lab, Urbana, IL
- Developing React web application that monitors tech services across campus such as computer lab usage.
- Part of the Social Media Macroscope project team which provides social media data analytics to developers.

Association of Data Science and Analytics Project Team   *September 2018 - Present*
University of Illinois at Urbana-Champaign, IL
- Building an application that generates a computer font based on human handwriting.
    - Constructing a convolutional neural network to filter images into data structures and employ various machine learning techniques to calculate each ideal character.
- Analyzed upsets across various national sports including college football and professional basketball by sorting datasets and scraping team statistics from websites.

Co-Founder of the Automated Trading Systems Club   *November 2017 – December 2018*
University of Illinois at Urbana-Champaign, IL
- Developed a website that takes in user-inputted stock symbols and predicts future trends.
- Back-end work with web-scraping, algorithm development, and data analysis.
- Designed front-end site as a Flask application using Python, HTML, and JavaScript.

SKILLS
- Proficient in software development with C++ and Java and familiar with Swift.
- Experienced in data analysis with Python and visualization using JavaScript charting libraries.
- Versatile front-end developer with JavaScript, HTML, CSS, and React.js.