Sai Sreeram Nachireddi

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EDUCATION

Syracuse University - College of Engineering & Computer Science, Syracuse, NY August 2022 - May 2024
Master of Science in Computer Science
Courses: Principles of Operating Systems, Design & Analysis of Algorithms, Natural Language Processing
GPA: 3.44/4

Jawaharlal Nehru Technological University - Gokaraju Rangaraju Institute of Engineering & Technology, Hyderabad, India June 2018 - June 2022
Bachelor of Technology in Computer Science & Engineering
Courses: Data Structures, Algorithms, Artificial Intelligence, Database Management Systems, Web Development
GPA: 8.25/10

PROFESSIONAL EXPERIENCE

Programmer Analyst Intern, Cognizant – Hyderabad, India January 2022 - June 2022

- Developed a search filtering feature using Java programming language and by deploying Spring Boot
- Managed and collaborated closely with a team of five other members

Web Development Intern, Sapphirus Systems Pvt Ltd – Hyderabad, India August 2021 - November 2021

- Designed frontend and UI of website with HTML, CSS and JavaScript
- Collaborated with senior engineers to ensure compliance with Software Development Processes

ACADEMIC PROJECTS

Sentiment Analysis for Movie Reviews September 2022 – December 2022

- Performed various text classification tasks such as investigating data in order to choose pre-processing or filtering, tokenization, finding frequent words, use cross-validation to obtain precision, recall and F-measure scores, included various feature sets like bigrams, trigrams, POS tagging, subjectivity and sentiment lexicon
- Calculated and compared accuracies at different stages by performing Naïve Bayes classification, Logistic regression and decision tree classification
- The sentiment label ranges from: “negative”, “somewhat negative”, “neutral”, “somewhat positive”, “positive”

Automatic Monitoring of Helmet & Over speeding July 2021 - December 2021

- Emphasize on detecting fast-moving vehicles on road and if whether motorcyclists are wearing a helmet or not using the YOLO V3 Algorithm
- Detecting speed of moving vehicles is done through OpenCV. The deep learning models are implemented using Keras
- In case of violation of traffic rules such as over speeding or absence of helmet usage, number plate of vehicle is detecting using deep convolutional neural networks (CNNs)

Automatic Hand Sanitizer Dispenser January 2021 - July 2021

- Built a contact less sanitizer that dispenses sanitizer automatically as well as display nearby hospitals if the temperature of user exceeds 100-degree Fahrenheit for the user to get tested for Covid-19
- The model uses ESP 8266, Arduino UNO, ultrasonic sensor, DHT senor, water pump, hand sanitizer and 16*2 LCD display

SKILLS

- Languages: Java, Python, JavaScript, HTML 5, CSS 3, C
- Frameworks: Spring Boot, React JS, jQuery, Node.js
- Database: Microsoft SQL Server, Transact-SQL

AWARDS/CERTIFICATIONS

- Data Science for Engineers, NPTEL (2021)
- User-Centric Computing for Human-Computer Interaction, NPTEL (2021)
- AWS Academy Cloud Foundations, AWS(2021)