# VENKAT SANDEEP BARLA

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## EDUCATION

**Northeastern University**                                                                                                          **Boston, MA**
Master of Science (MS) in Information Systems | **GPA:** 3.7/4.0                          Expected graduation: May 2023
Related courses: Program Structure and Algorithms, Web Design and User Experience Engineering

**Vellore Institute of Technology**                                                                                          **Vellore, India**
Bachelor of Technology (BTech) in Electronics and Communication Engineering | **CGPA:** 8.04/10.0                          June 2021
Related courses: Object-Oriented Programming, Data Structures and Algorithms, Mobile App development

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python, C
**Web Technologies:** HTML5, CSS3, NodeJS, PHP, Spring Boot
**Databases:** PostgreSQL, MySQL, MongoDB
**Frameworks:** jQuery, Bootstrap, ReactJS

## WORK EXPERIENCE

**Web Developer Intern**                                                                                                          **Nellore, India**
Kenisys Software Private Limited                                                                                          May 2021 – July 2021
- Developed a customer-facing Web Application for implementation at educational institution using PHP, JavaScript, Bootstrap, MySQL Database
- Collaborated with senior engineers to ensure compliance with Software Development Processes and Design Thinking Principles
- Participated in stakeholder meetings for requirement gathering, strategic planning and product marketing
- Provided major clients with ad-hoc support, technical and implementation assistance

## PROJECTS

**White Board (MERN Stack Web Application)**                                                                                          **Dec 2021**
- Built a course management web application that provides various features to both students and faculties, enabling students to view the information and faculty to change the contents of the course
- Used the following tech stack to achieve the same: ReactJS, Redux, Java, Spring Boot, JavaScript, Mongo

**COVID-19 Tracker**                                                                                                          **June 2021**
- Developed an android mobile app using Android Studio by designing the User Interface in XML and backend development in Java.
- It displays the statistics of COVID-19 country-wise using REST-API. The app is available in both Light and Dark Mode

**Drowsiness Detection and Alert System**                                                                                          **Dec 2020**
- Developed an alert system to detect the drowsiness of a vehicle driver using open-CV and alert messages sent using third party messaging services like msg91
- The driver performance analysis is done using Thingspeak Cloud

**Voice and Remote-Control Wireless Bot**                                                                                          **Dec 2019**
- Developed a voice and remote-controlled Wireless bot (car) which can be operated over the Internet or locally by using an android app with the help of Thingspeak Cloud and Bluetooth
- This project was based on 8051 MC, a motor driver, and a Bluetooth Module

**Word Prediction Application**                                                                                                          **May 2019**
- Autocomplete or word completion is a feature in which an application predicts the rest of a word a user is typing
- We implemented this application using trie search algorithm