

Wudaru Vishal Reddy

Education

- 2015-2019 **Bachelor of Technology**, *BML Munjal University*, Gurugram, GPA - 9.1/10.
Computer Science & Engineering
- 2013-2015 **Intermediate**, *Sri Chaitanya Junior College*, Kurnool, GPA - 9.6/10.
MPC
- 2012-2013 **Secondary School**, *Ravindra Bharathi School*, Kurnool, GPA - 9.3/10.

Internship Experience

- May 2018 – **Research Intern**, *International Institute of Information Technology*, Hyderabad.
July 2018
 - Work with Dr.Radhika Mamidi to develop generation based sarcastic chatbot model.
 - Focus is to build a chatbot which can detect user sarcasm and generate sarcastic replies.
 - Built a Movie Chatbot using NLIDB approach.
- June 2017 – **Software Engineering Intern**, *EAIESB*, Hyderabad.
July 2017
 - Built BMU iPortal which helps students, parents and college administration to manage marks, attendance and gate-passes.
 - Used Spring framework, Oracle database for back-end and front-end was completely built using Vaadin framework.
 - Trained on Data Science concepts like Hadoop MR, Spark, and Machine learning in Python & R.

Achievements

- 2018 Secured 2nd position in HackBMU(Hackathon) 2018 for building a web application that covert sign language into speech with translation to native language.
- 2017 Participated in ACM-ICPC Asia Amritapuri On-site Regionals 2017

Projects

- NLP **Building Word Embeddings using PLSA.**
 - Work with Dr. Sudip Sanyal to develop word embeddings using PLSA algorithm.
 - High Performance Computing was used to achieve parallel programming.
- IoT **Traffic Management System.**
 - IoT based system, that adopt to traffic density by controlling traffic lights.
 - System includes automatic street light module.
- Android **Student Companion.**
 - An android application which helps student to track subject-wise attendance, take notes and view timetable.

- Desktop App **Distributed Whiteboard.**
- Built a desktop application which helps all the members of a team to collaboratively discuss, design and sketch their ideas.
 - Used Java RMI for message passing and Java AWT for GUI.
- Database **Time Table Management.**
- Built a desktop application used by student and management to schedule classes with ease.
 - Used JavaFX for GUI and MYSQL database.
- Web Dev **Set Cover Problem.**
- A web page to visualize each step of set cover algorithm.
 - Used Vue.js for taking dynamic input from the users and Anime.js for the animation.
- Desktop App **CPU Scheduling.**
- Built a desktop application to visualize working of different CPU Scheduling algorithms like FCFS, SJF, and LJF.
 - Plotted bar graphs to compare waiting time, turnaround time and utilization time of different algorithms.
 - Used JavaFX for GUI.
- IoT **Dual Axis Solar Tracker.**
- Arduino based system, that increases efficiency of solar panel, by changing position of the panel, according to movement of sun.
 - Built an android application to record the positions of panel for analysis.
- Web Dev **Tourist System.**
- Built a web application which helps people to find best suited travel destination based on their interests.
 - Used Spring framework, Oracle database for back-end and front-end was completely built using Vaadin framework.

Technical skills

- Languages C/C++, JAVA, Python, SQL, JavaScript
- Skills Machine Learning, Deep Learning, Android Development, Arduino
- Programming Data Structures, Hadoop MR
- Frameworks Keras, Spring Boot, Vaadin