
BALAKRISHNA JUROLLU

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EDUCATION

Master of Science in Information Technology

University of Cincinnati, Ohio.

08 2023 - 12 2024
Score 4/4 (first Sem)

Bachelor of Engineering in Computer Science Engineering

GITAM University, India.

06 2019 - 05 2023
GPA 8.7 / 10

TECHNICAL SKILLS

Programming Languages Python (Intermediate), SQL(Intermediate), HTML (Intermediate),
Java(Beginner),Data Base Management Systems(Intermediate)

Operating Systems Windows, Linux.

Foundation Concepts Probability & Statistics, Discrete Mathematics, Operating Systems, Data Mining,
Design and Analysis of Algorithms, Database Management Systems, Software
Engineering, Automata Theory, Network Security and Cryptography, SDLC Models.
Cloud Computing (IaaS, PaaS, SaaS), Machine Learning and Artificial Intelligence.

ACADEMIC PROJECTS

08 2021 – 10 2021

A Real world IOT Application (Smart Cap):

- An IOT based application was developed in such a way that it detects if a person is standing in front of the person who is wearing this smart cap. This device will be very effective in terms of social distancing.
- Sensors like Ultrasonic sensor, photo diode played a crucial role in sensing the information and alerting the person with the smart cap
- Raspberry pi was used as a software, and python was used as language in order to code the sensors and detect the data.

A Real world IOT Application (Smart Blind stick):

- An IOT based application was developed in such a way that it detects the obstacle like vehicles, poles, etc. and avoid them from colliding with the objects. This device will be very effective for the people visionary problems.
- Sensors like Ultrasonic sensor, photo diode played a crucial role in sensing the information and alerting the person with the smart blind stick.
- Raspberry pi was used as a software, and python was used as language in order to code the sensors and detect the data.

PUBLICATIONS

- Authored a research paper on “Real-world IoT applications”, specifically focusing on the implementation of smart cap and blind stick technologies in daily life. The paper was published in the International Journal of Science and Research, with the following details: ISSN 2319-7064, Volume 11, Issue 01/01/2022.

ACADEMIC CERTIFICATIONS

- Introduction to Data Science by Networking Academy Cisco.
- Programming for Everybody (Getting Started with Python) by Coursera.

STUDENT INVOLVEMENT

- Organized one of the biggest events at college level as a part of cultural and tech fest -2021
- Engaged and actively contributed as a dedicated member of the student club "Kala Kriti," showcasing a passion for collaborative initiatives and fostering a creative community.