



# Mahesh Yadav Udutha

## ● WORK EXPERIENCE

31/08/2020 – 20/09/2022 Hyderabad, India

### APPLICATION DEVELOPMENT ANALYST ACCENTURE SOLUTIONS PRIVATE LIMITED

Responsible for designing, developing, testing, and maintaining software applications in the Salesforce cloud. This includes working with clients to gather and define requirements, creating technical designs, writing code, and performing unit and integration testing. To troubleshoot and fix any issues that arise during the development process. Other responsibilities include participating in code reviews, collaborating with cross-functional teams, and staying up-to-date with the latest technologies and industry trends. In this role, I have exhibited strong problem-solving skills, and attention to detail, and shown the ability to work independently as well as part of a team.

Tools and Technologies used - Salesforce, AWS cloud, SQL, Microsoft Azure, Jira, Confluence, Git, Selenium, Java.

23/12/2019 – 05/04/2020 Hyderabad, India

### UI/UX DESIGN INTERN WTA STUDIOS PRIVATE LIMITED

Responsible for designing and creating user interfaces and user experiences for software applications and websites. Which include conducting user research, creating wireframes and prototypes, designing visual elements such as icons and graphics, and testing and iterating on your designs. Worked with cross-functional teams, including developers, to ensure that your designs are implemented effectively. In this role, I exhibited strong creative and problem-solving skills, as well as an understanding of user behavior and experience design principles. Proficient in design tools such as Adobe Creative Suite, and prototyping tools like InVision.

## ● EDUCATION AND TRAINING

20/09/2022 – CURRENT Roma, Italy

### MASTERS IN ENGINEERING IN COMPUTER SCIENCE Sapienza University of Rome

**Address** Via Ariosto, 25, 00185, Roma, Italy | **Website** <https://www.diag.uniroma1.it/en> |

**Field of study** Computer Engineering

01/07/2016 – 31/05/2020 Chennai, India

### BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING Vel Tech Rangarajan Dr.Sagunthala R&D Institute Of Science And Technology

**Address** No.42, Avadi-Vel Tech Road Vel Nagar,, Avadi, Tamil Nadu , 600062, Chennai, India |

**Website** <https://www.veltech.edu.in/soc/> | **Field of study** Computer Science | **Final grade** CGPA 8.84/10 |

**Thesis** Job Portal Application

## ● LANGUAGE SKILLS

Mother tongue(s): **TELUGU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1

## ● DIGITAL SKILLS

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Good listener and communicator | Team-work oriented | Decision-making | Organizational and planning skills | Motivated | Critical thinking | Analytical skills | Written and Verbal skills | Creativity | Responsibility | Reliability | Research and analytical skills | Python Programming | Machine Learning | Java Programming | AWS Cloud

## ● ADDITIONAL INFORMATION

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### PUBLICATIONS

#### [Image Segmentation Using K-Means Clustering for Brain Tumor Detection](#) – 2018

Brain tumour is an irregular development by cells imitating among them in an unstoppable way. Specific identification of size and area of Brain tumour assumes a fundamental part in the analysis of tumour. Image processing is a dynamic research territory in which processing of image in medical field is an exceedingly difficult field. Segmentation of image assumes a critical part in handling of image as it helps in the finding of suspicious districts from the restorative image. In this paper a proficient algorithm is proposed for detection of tumour based on segmentation of brain by means of clustering technique. The main idea in this clustering algorithm is to transfer a given gray-level image and then separate tumour objects position from other items of an MR image by using K-means clustering. Experiments say that segmentation for MR brain images can be done to help medical professionals to identify exactly size and region of the tumour located area in brain.

Link <https://doi.org/10.14419/ijet.v7i2.19.15058>

#### [Revealing and Deterrence of Collaborative Attack along with proficient Routing in Manet](#) – 2019

Cooperative bait detection scheme (CBDS) method rigging a repeal tracing method to assist in accomplish the declared target. Malicious nodes are distinguished and kept in a blackhole list using a reverse tracing technique. After starting the data transmission at the destination end the trust factor of every node is intended and the delivery ratio is compared. By this the grayhole can be identified easily and a new route eliminating the grayhole can be established and data transmission can be carried out with a lesser drop of data. The trust factor of every node is intended by the next node to it sends the data. Whenever the trust factor of the node drops below 0.500 the with that trust factor losses the trust and that particular node is treated as grayhole and informed to all the nodes in the route and the route to goal is reconfigured with new nodes other than identified grayholes.

**Keyword:** Cooperative bait detection scheme (CBDS), Collaborative attacks, malicious node, MANET.

Link <https://www.ijitee.org/wp-content/uploads/papers/v8i8/G5390058719.pdf>

### PROJECTS

01/11/2022 – 28/02/2023

**Loan Prediction using Machine learning** Loan prediction is one of the most important and prominent research areas in the field of banking and insurance sectors. The project is developed using different machine learning algorithms such as logistic regression, Gradient boosting, KNN, and Decision Tree. Python programming language is used for the implementation with HTML, CSS, Javascript used for the front end. The web application has been built using flask and deployed over AWS cloud.

01/03/2019 – 01/05/2019

**Accident Prevention and Detection using IoT** The project for accident prevention and detection is developed using sensors and connected devices to monitor conditions and alert relevant parties when potential accidents are detected. This includes things like monitoring road conditions to prevent car accidents, monitoring factory conditions to prevent workplace accidents, or monitoring construction sites to prevent accidents on the job.

01/03/2018 – 01/07/2018

**Smart Waste Management system using IoT** An IoT-based smart waste management system is a technology-driven system that helps in the effective and efficient management of waste in residential areas, commercial places, and public places. It is designed to improve waste collection, transportation, and disposal processes using sensors, smart devices, and data analytics. The system is comprised of smart waste bins equipped with sensors to monitor the fill level of the waste bins in real time. The data collected by these sensors is then transmitted to a centralized platform where it is processed and analyzed. This data analysis helps in predicting future waste generation, optimizing the waste collection routes, and scheduling the waste collection based on the fill level of the bins.

## HONOURS AND AWARDS

25/04/2022

**APP Pinnacle Award – Accenture Solutions Private Limited** Received APP ATCI Pinnacle Award in Q2-FY22 for the best performance.

Link <https://www.accenture.com/in-en>

01/12/2021

**Appreciation and Promotion – Accenture Solutions Private Limited** For outstanding contributions to the growth and pivotal in the success of Advanced Technology Centers in India at those challenging times (COVID). I have been Promoted to the above management level.

## ORGANISATIONAL SKILLS

**Organiser Smart India Hackathon-2019** Responsible for developing and implementing the technical plan for the event, including identifying and securing necessary hardware, software, and other resources. Coordinating with participants to ensure that they have the necessary technical skills and knowledge to participate in the event. Providing technical support to participants during the event, including troubleshooting technical issues and answering questions. Ensuring that the event venue is set up with the necessary technical infrastructure, such as internet connectivity and power outlets. Managing the technical budget for the event and ensuring that all expenses are properly accounted for. Collaborating with other organizers and staff to ensure that the technical aspects of the event run smoothly and are successful.

Link <https://www.sih.gov.in/>

## VOLUNTEERING

01/03/2019 – 01/12/2019 Vel Tech Rangarajan Dr. Sagunthala R&D Institute Of Science And Technology

**Head Environment Club** Responsible for raising environmental awareness among University students. To bring awareness to GO-GREEN. To increase the green area in and around the University campus. To Maintain cleanliness in the University. To help the students master skills such as farming and caring for plants. To implement and improvement of the activity of recycling in the university.

Link <https://www.veltech.edu.in/student-clubs/>

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