

# Sri Rama Krishna Reddy Dwarampudi

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## EDUCATION:

### Indiana University Purdue University Indianapolis, USA

08/2023 – Present

Master of Science in Computer & Information Science

### K L Deemed To Be University, Vijayawada, India

07/2019 – 04/2023

Bachelor of Technology in Computer Science and Engineering

GPA – 3.7/4.0

## WORK EXPERIENCE:

### **Research Assistant**

08/2023 – Present

Luddy School of Informatics, Computing and Engineering, Dept. of Bioinformatics, IUPUI, Indianapolis

- Working on Variational Autoencoders (VAE) on brain data for generation of new data by reducing the dimensionality using deep learning model.

### **Research Associate**

08/2022 – 01/2023

Speech Research Group, K L University, Vijayawada, India

#### **Responsibilities**

- Research on the National Language Translation Mission: BASHINI in Speech Quality Control project, supported by MEITY India.
- Gathered a number of audio speech samples from various speakers in various Indian languages and analysing the speech quality using conventional approach for the collected speech samples.

#### **Achievements**

- Successfully created audio database of 4 Indian languages of parallel corpora.

### **Research Intern**

08/2021 – 03/2022

Samsung R&D Institute, Bangalore, India

#### **Responsibilities**

- Designed an optimized algorithm to find the toll cost between the source and destination entered by users.
- Built an android application using android java and web application using Django.

#### **Achievements**

- Led the team in delivering the project on deadline. Given the best project team award.

## TECHNICAL SKILLS:

Java, Python, JavaScript, HTML, CSS, Django, MEAN, MySQL, MongoDB, Oracle, Microsoft Office, Tableau, Data Analytics, Machine Learning, Deeping Learning, SDLC, Software Testing

## PROJECTS:

### **TollMate**

- Worked on NHAI data by scraping the data from Govt. NHAI Website. Developed Web Scraping Algorithm for web scraping and Polygon Bound Algorithm to optimize the route for the journey.
- Build a web application using Django and Android Java Application(mobile) that helps to display the toll information between the user entered locations.

### **Money Magic**

- Money Magic is a finance management project which helps users manage their savings and gives recommendations based on their savings.
- Developed using Django web framework for backend, HTML, CSS, Javascript for frontend and MYSQL for database. Built a machine learning model for recommendation system.

### **Object-Detection-YOLO**

- Designed an algorithm that detects and recognizes various objects in image with high detection accuracy and with very few background errors.