

EDUCATION

Michigan Technological University, MS – Data Science

Expected Graduation May 2025

- ❖ Graduate Research Assistant – creating & scraping datasets, NLP, training & fine tuning LLMs, prompt engineering
- ❖ Teaching Assistant (TA)- DATA 1202 data science programming II, guiding students in the lab with assignments
- ❖ Coursework: - data science, artificial intelligence, machine learning, regression analysis, advanced data mining
- ❖ C.G.P.A – 4.0 / 4.0

Gudlavaluru Engineering College, B. TECH - Electrical & Electronics Engineering

May 2022

Relevant Coursework – OOPS through JAVA, C++, intro to data science, scripting languages

Leadership: - President for Electrical Confederacy, Captain of the college basketball team

C.G.P.A – 8.7 / 10.0

TECHNICAL SKILLS

Tools and Applications: PyCharm, GitHub, Tableau, MYSQL, Anaconda, Google Colab, Qt Creator, Hugging Face

Programming Languages: Python, C++, C, SQL, R, JAVA, MATLAB, Julia Basics

Python Packages: Pandas, Numpy, Scikit- Learn, TensorFlow, NLTK, BeautifulSoup, Requests, Pytorch

EXPERIENCE

Playto Labs - IHFC - IIIT DELHI | Delhi, India

Robotics Instructor

April 2023 - Aug 2023

- ❖ Designed and executed robotics projects, fostering hands-on learning experiences
- ❖ Instructed programming concepts and techniques to a diverse group of 100+ students
- ❖ Developed and delivered robotics curricula using Arduino, C++, and Python to inspire STEM interest
- ❖ Organized and facilitated robotics competitions, contributing to increased enrollment and regional recognition

INTERNSHIPS

Cognizant Technology Solutions | Hyd, India

Program Analyst Trainee

March 2022 – Nov 2022

- ❖ Embarked on a dynamic role as a Program Analyst Trainee in the Enterprise Application Services Domain
- ❖ Worked with SQL database, and designed user test cases to ensure reliability and efficiency
- ❖ Developed robust backends using the Java Spring Frameworks

SmartInternz | Remote, India

Artificial Intelligence Intern

April 2021 - Aug 2021

- ❖ Contributed to enhancing employee safety within warehouses by implementing AI and ML
- ❖ Developed predictive models focused on analyzing images to anticipate utilizing safety tools
- ❖ Built a CNN model, implemented cross-validation strategies, and fine-tuned model parameters
- ❖ Achieved an impressive accuracy rate of 93% in predicting safety tool usage with unseen datasets

PROJECTS

1. Robotic Arm – AI ML & DL — Team Leader.

- ❖ Built a robotic arm to help people pick objects in shopping malls, warehouses, and various industries
- ❖ Designed the arm, used a CNN model (transfer learning), and programmed for mechanical movement
- ❖ Developed arm with rover structure, and used IOT and AI & ML, trained on various data sets
- ❖ Used TensorFlow for model building and Kaggle, UCL for datasets and various open sources.
- ❖ Successfully built a fully functioning arm with a model having a 91% accuracy rate

2. Course Work Projects:

- ❖ Developed Chatbots using a rubber duck theme, Rogerian therapy, and applied natural language processing
- ❖ Made Soccer Visualization using the MPL soccer library including analyzing player & team statistics
- ❖ Built a Regression model for real environmental data to predict the maximum stream flow



INTERESTS

- ❖ Basketball
- ❖ Learning new languages | Cooking | Doing Dishes