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[https://github.com/yukthamukhi-](https://github.com/yukthamukhi-nadella)
nadella

Academics

Woxsen University | Hyderabad
2021 - 2025 | **Data Science and Artificial Intelligence**

Narayana I Vijayawada, Andhra Pradesh
2019 - 2021 | **Intermediate**

P.R.K.R.Gowthami High school I Darsi,
Andhra Pradesh 2018-2019 | 10th

CERTIFICATES

- **2023-10 | OIST Bhopal Hackathon - Best Implementation Certificate**
- **2024-06 | Certified System Administrator-Service Now**

Technical Skills

- HTML, CSS, JavaScript
- Python, Power BI
- Deep Learning Machine Learning
- Data Analysis and Visualization

Professional Skills

- Leadership, Teamwork

Awards

- Best implementation Award in National OIST Bhopal Hackathon

Yuktha Mukhi Nadella

B.Tech- Data Science and Artificial Intelligence

SYNOPSIS

A dedicated B.Tech student specializing in Data Science & AI with a strong foundation in data analysis, machine learning, and programming (Python, HTML, JavaScript). Passionate about leveraging technology for innovation and seeking opportunities to apply skills and expand my professional network.

INTERNSHIPS

Product Engineer Intern- Keenai Global

October 2024- January 2025

- Extracted data securely from PDFs using AWS Textract, transformed them into data frames, and normalized with metadata, and Automated extraction, transformation, and normalization of custodians' data into a single pipeline.
- Developed an API to fetch, update, and recalculate data based on market conditions.
- Created a script to retrieve index data from the NSE official site.

Generative AI Engineer Intern- HTC Global Services *February 2024 - July 2024*

- Developed a streamlit application for Generate Response, text summarization using Gemini and NLP techniques.
- Developed a streamlit application for Question & Answering for a predefined dataset based on the user queries using techniques like Sentence Transformers and Rank BM25.
- Created a sophisticated Streamlit application to answer user questions from predefined datasets. This involved building a chat interface for files in CSV, XLSX, and TXT formats, and integrating a vector database to store and retrieve answers efficiently.

PROJECTS

AI-Driven Lower back Pain Prediction

- Developed an AI model to analyze X-ray images, applying segmentation and contour detection to extract spinal coordinates.
- Used angle measurement techniques to assess spinal curvature and predict potential lower back pain.
- Tech Stack - Python, Streamlit, CV, Semantic Segmentation, Roboflow.

Cigarette Smoke detection System using Smoke sensors

- It is mainly designed to make smoke free educational institutions
- MQ- 2, 7,9,135 sensors are used to detect cigarette smoke.
- Buzzer will be activated when cigarette smoke is detected

Designed a Ecommerce Floral Website

- A website which contains home page, shop, login and sign up pages
- It has 2 roles admin and user, admin can modify the shop items, users can purchase flowers.

PUBLICATIONS

A System and Method for Vehicle and Driver Safety Enhancement through Static Obstacle Avoidance Technology - Patent

A system which detects the obstacles in real time when a passenger in vehicle is opening the door to avoid dooring incidents. and this also about detection of animals under the vehicle for animal safety

Battery Health Management System- Research Paper

- The research is about finding out the battery health condition.
- We used different ML and DL algorithms to find the battery health for the dataset collected from the university.

EXTRACURRICULARS

- Organized a 24-Hour Hackathon at our university
- Hosted an online Woxsen Faculty Development Program
- Participated in Centific Hackathon