

Career Objective

Dedicated AI enthusiast pursuing a B.Tech in AI & Data Science with a strong foundation in machine learning full stack development and software development..

Education

Koneru Lakshmaiah University

B.Tech in Artificial Intelligence and Data Science, CGPA: 8.7/10

Hyderabad

2023 – Present

Narayana Junior College

Intermediate (12th Grade), Percentage: 85%

Hyderabad

2021 – 2023

Nagarjuna The Nextgen School

High School, CGPA: 10/10

Hyderabad

2009 – 2021

Technical Skills

Languages: C, Python (OOP), Java, Data Structures and Algorithms

Web Dev: HTML, CSS, JavaScript, Django, React, Node.js

AI/ML & DS: Machine Learning, Deep Learning, Data Science, Data analysis, NLP

Projects & Research Work

Speaker Verification for Voice Biometrics: *Python, TensorFlow, PyTorch* — Supervised by Dr. Vishala Panala

- Built deep learning models for secure biometric authentication using speaker embeddings
- Achieved 92% accuracy using MFCC, i-vectors, and Neural Architecture Search
- Implemented real-time verification with optimized inference pipeline

COVID-19 Infection Analyzer: *Python, scikit-learn, TensorFlow* — Supervised by Dr. Sandeep Chitreddy & Dr. Hitesh Tekchandani

- Predicted COVID-19 trends with 94% accuracy on 50GB+ hospital and demographic data
- Built interactive epidemic dashboards using Plotly and Matplotlib for regional health authorities
- Deployed model via REST API for real-time health system capacity planning

GitHub: github.com/JanushaNampally/covid_app

OptiTasker – Task Management App: *React, Node.js, MongoDB* — Solo Project

- Implemented task optimization using linear programming algorithms for efficient scheduling
- Improved productivity with priority-based scheduling and performance analytics
- Utilized modern UI/UX design principles with React hooks and custom components

Live Demo: task-management-nuh5.onrender.com

Certifications

Jan – Mar 2025: **Neural Networks and Deep Learning**, Coursera

Jan 2025: **GitHub Foundations Certificate**, GitHub

Oct 2024: **Cambridge Linguaskills – B2 Level**, University of Cambridge

Conferences & Workshops

Apr 2024: **ThinkAI – 2nd International Conference**, KLH University

- Attended sessions on advanced AI research and participated in panel discussions on ethical AI

Mar 2024: **AI & ML Mastery Workshop**, IIT Hyderabad

- Completed hands-on training in deep learning model tuning and deployment
- Collaborated in team-based hackathons focused on sustainable AI solutions

Oct 2023: IEEE GRSS SYW Congress, KLH University

- Participated in workshops on machine learning and GIS for smart agriculture
- Networked with industry experts in remote sensing and geospatial analytics

Aug 2023: Impactech Hackathon, KLH University

- Built Canteen App for college purpose, applying rapid prototyping and Agile development