Mahankali Prathyusha Lahari

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ABOUT

I'm a Computer Science graduate with strong Academic rigor. My strengths lie in Analytical thinking and Problem-solving. Passionate about AI, machine learning, and data science, I'm eager to apply my skills and continuously learn in these dynamic fields. Known for being hard-working and dedicated, I thrive on tackling new challenges, taking risks, and exploring innovative solutions.

EDUCATION

M.Tech Artificial Intelligence,   2024 – 2026
Amrita Vishwa Vidyapeetham, Coimbatore
- Secured **9.05 CGPA** in Semester 1

B.Tech Computer Science & Engineering,   2018 – 2022
Mahatma Gandhi Institute of Technology (affiliated to JNTUH)
- Passed with **First Class in Distinction** (7.5 CGPA)
- Active Member of "*Symphony MGIT*" Music Club.

Class XII (Intermediate), FIITJEE JUNIOR COLLEGE   2015 – 2017
- Scored **97.5%** in Telangana Board of Intermediate Education Public Exams.

Class X (SSC), SRI C INTERNATIONAL SCHOOL   2015
- Scored **9.8 CGPA** in Telangana Board of Secondary Education Public Exams.
- **Shortlisted to Level-2 Examination of IMO** (International Maths Olympiad) by SOF

PROJECTS

Image De-Raining using Deep Learning   Present
- Working on various datasets including Rain100L, Rain100H, Test100 and conducted a literature survey.
- Learnt about Data augmentation, Model testing, Downstream analytics, and Mean Opinion Score (MOS) etc.

Segmentation of Optic Disc and Cup for Glaucoma Detection. ⧉   2024
- Achieved an accuracy of 98% using U-Net and Bayesian Models on REFUGE2 Grand Challenge Dataset.

Cowin Vaccine Slot Tracker ⧉   09/2021
- The Main Objective of project is to check available slots for Covid vaccines for selected pincodes,districts and Sends telegram alerts to users who subscribed for alerts.

Powering Tomorrow: The AI Chips in Next-Generation   2024
Computing, Journal Article ⧉
- A General Overview on present Trends in Industry and a Comprehensive Study on AI Chips

WORKSHOPS

Q&A with Retrieval Augmented Generation(RAG) Langchain Bot
- Learnt about Extracting Text data from PPTs and using queries on RAG Bot to retrieve output

CERTIFICATES

Data Science for Beginners,SWAYAM NPTEL 2021 ⧉
- Secured <u>Elite+Silver medal</u> out of 2043 candidates in 8-week course of Data Science for beginners by NPTEL llT Madras,Learnt about Regression Models and basics in Optimization

Complete Data Science,Machine Learning,DL,NLP Bootcamp - Pursuing

Deep Learning with Keras and Tensorflow - Pursuing

SKILLS

- Python3
- AWS Cloud
- Flask
- Hadoop Basics
- C++ Language
- Git
- PySpark Basics
- Object Oriented Programming
- Problem Solving
- Team Leadership
- SQL
- Go Programming
- Model Interpretability - SHAPely,LIME,DiCE

COURSES

- Machine Learning
- Data Mining
- Operating systems
- Deep Learning
- Linear Algebra
- Database Management Systems
- Explainable AI
- Probability
- Knowledge Networks
- Data Structures and Algoritms
- Cloud Computing
- Data Science

TEST SCORES

Qualified GATE 2024 CS Paper	03/2024
JEE Mains, Top 95% Percentile	05/2018
TS EAMCET, Rank : 6446 out of 2 Lakh+ candidates.	05/2018

AWARDS

Gold Medalist in IMO (International Maths Olympiad), SOF (Science Olympiad Foundation)	01/2014
Runner Up Vigilance Awarness Week (Demonitization in india), Andhra Bank	08/2018

POSITIONS OF RESPONSIBILITY

Student Coordinator, Symphony MGIT Music Club	03/2020

- Co-ordinated and Conducted "Voice Hunt" during College Fest Nirvana, 2020.

INTERESTS

Singing • Contributor at Quora • Books • Documentaries

LANGUAGES

English • Telugu • Hindi