Masabattula Teja Nikhil

Career Objective

A hardworking and self-determined individual with a strong desire to achieve my goals and a commitment to continuous learning, I strive to make ethical considerations a cornerstone of my work. I am also deeply interested in exploring different kinds of data and analysing them to provide data-driven solutions, enhancing my ability to tackle complex problems with informed insights.

Bangalore, Karnataka

+91 9100509762

masabattulatejanikhil@gmail.com

https://github.com/Tejanikhil

https://www.linkedin.com/in/masabattula-teja-nikhil-408383209/

TECHNICAL SKILLS

PROFFESSIONAL

- Python
- Statistics
- OOPS
- Deep Learning
- Generative AI
- Falcom LLM
- AI based Android Applications
- Time Series Analysis

Extra Curriculars

- Chess Player
- Data Collection
- Community Building & Engagement

HOBBIES

- Working on Innovative Ideas
- Upskilling on AI concepts
- Content Writing
- Diary Writing
- Business Case studies
- Teaching

RESEARCH

- Behaviour of ML and DL models on Question Answering Systems
- Application of Neural Networks in Electronic Design Automation

EDUCATION

Amrita Vishwa Vidyapeetham *- 9.13 CGPA*

Bachelor of Technology (10/2020 – present)

- Pursuing BTECH in Artificial Intelligence
- GATE 2024 DS All India Rank – 1180 - Score - 569

Sri Chaitanya Junior College *- 97 % Aggregate*

Higher Secondary schooling (06/2018 – 06/2020)

- An interested Mathematics Student

Abhyas Techno School *- 10 points*

Secondary schooling (06/2017 –03/ 2018)

PROJECTS

A Centralized Deep Learning Framework for Converting Printed Books to Audio Books on Android devices (2023-2024)

- Designed an full-fledged android application capable of handling API calls for images and text.
- Fine tuning MT5 transformer, Mbert, OCR for text extraction, Speech synthesizer for speech synthesis, and android studio for app development, flask for API creation.

Explainable AI in detecting covid 19 (2022 - 2023)

- Designed a CNN model for detecting Covid 19 from the lung X-rays. Explained the black box model using an XAI framework called as LIME.
- Led a team of 3 developers and actively participated in coding, debugging and paper writing.

Short Answer Grading System (2022 - 2023)

- Designed an automatic grading system which can access and grade the written answer sheets
- Led a team of 3 and actively participated in experimentation, coding and literature survey.

WORK EXPERIENCES

ZIROH LABS– *Android devoloper* **(2021–2022)**

- Developed an android application from scratch using android studio and java with backed database.

ACCELERON LABS (2021-2022)

- Worked as an NLP Intern and built a sentiment and punctuation correction models.

JUNIPER NETWORKS – *Network Automation Engineer* **(2024)**

- Worked as an intern as an access point and cloud automation engineer and written scripts for automation.

PUBLICATIONS

Lime Explainability on Flower Classification

Published in IEEE Scopus index

- Unveiled the black box modes (CNN) using LIME explainability in flower classification.

Glaucoma Detection using Reinforcement Learning Algorithms

Published in a Q2 journal.

- Detected glaucoma using the custom datasets and algorithms like Dyna-Q using Reinforcement approach.