Madhunandana H M

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GitHub | LinkedIn | GeeksforGeeks

Professional Summary

Dedicated Assistant Professor and Researcher with a strong background in Computer Science and Engineering. Experienced in Artificial Intelligence, Python, Deep Learning, Generative AI, and Large Language Models (LLMs), with a track record of academic publications and practical software engineering internships.

Technical Skills

- **Programming:** Python, Java, Data Structures and Algorithms (DSA).
- **AI Skills:** Artificial Intelligence (AI), Machine Learning, Deep Learning, Generative AI, Large Language Models (LLMs).
- **Tools & Platforms:** Visual Studio, Android Studio, Git/GitHub, Antigravity.
- **Operating Systems:** Windows, Linux.

Professional Experience

Global Academy of Technology Sep 2024 – Present
Assistant Professor *Bengaluru, India*
- Subjects: Python, C Programming, Deep Learning for Computer Vision.

Ether Daylight Systems Pvt. Ltd Jan 2024 – July 2024
Software Engineering Intern *Hybrid Mode*
- Designed and implemented a system for machine monitoring using ReactJS and Deep Learning models.
- Technologies: JavaScript, ReactJS, Git, Figma (UI and UX), Deep Learning Models.

Education

RV College of Engineering 2024
M.Tech in Computer Science and Engineering *GPA: 7.95*

Government Engineering College, Chamarajanagara 2022
B.E. in Computer Science Engineering *GPA: 7.7*

Research & Projects

Brain Tumor Detection 2025
Python, Deep Learning, U-Net
- Developed a brain tumor detection system that uses a U-Net model to analyze MRI scans and provide detailed identification of tumor regions.

DocQuery AI: Intelligent Answer Generation from PDFs 2024
Generative AI, LLMs, Python *MAT Journals (JoIDACS)*
- Utilized Large Language Models (LLMs) and generative AI to extract and generate intelligent, context-aware answers from PDF documents.
- Publication Link: Click here to view

Sentiment Analysis Using LSTM 2023
Python, LSTM, ReactJS *IEEE Publication*
- Developed a sentiment analysis tool using LSTM with the IMDb dataset to classify movie reviews, with a front-end interface built in ReactJS.
- Publication Link: Click here to view

Certifications & Achievements

- Participated in **"Scientist for A Day"** – NASA.
- Secured **3rd Rank** in State Drawing Competition.
- Python programming certification via Programming Hub (Affiliated by Google Developers).
- Active coder on the **GeeksforGeeks (GFG)** platform.

Languages

- English, Kannada, Hindi.