Nipun B Nair

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SKILLS

- Python
- JAVA
- C, C++

EDUCATION

- Computer Science and Artificial Intelligence | Amrita Vishwa Vidhyapeetham CGPA: 8.49 | (23-07-2023)
- XII (CBSE) | National Public School – Yeshwanthpur   92.6%| 2020
- X (CBSE) | National Public School – Yeshwanthpur   90.6%| 2018

PUBLICATIONS

- N. B. Nair, T. Singh, A. Thakur and P. Duraisamy, "Deployment of Breast Cancer Hybrid Net using Deep Learning," 2022 13th International Conference on Computing Communication and Networking Technologies (ICCCNT), Kharagpur, India, 2022, pp. 1-6, doi: 10.1109/ICCCNT54827.2022.9984513.

- Submitted a system description paper titled "Olive: An Instruction following Odia GPT Model" to EMNLP 2023 under guidance of Dr Shantipriya Parida

EXPERIENCE

- Intern | OdiaGenAI (07/2023- current)
  - Under the guidance of Dr Shantipriya Parida
  - Aiming to utilize the power of AI in building Generative AI and LLM-based technologies and solutions for the overall development of Odia language through collaboration among Odia technologists.

- Research Intern | University of California at Santa Cruz (06/2022 - 08/2022)
  - Completed a project under the guidance of Prof. Grace Weishi Steadmon and Prof. Isha Aggarwal.
  - Developed an open data source for the Global Capital Allocation Project by analyzing global bank data using Python and Selenium, extracting stock data from EDGAR, and mentored Ph.D. students in Python debugging.

ACADEMIC PROJECTS

- **Palm leaf line segmentation using Deep Learning in Malayalam language**. - Digitization of palm leaf manuscripts is crucial for preservation, and deep learning techniques like CNNs are effective for segmentation. Process involves pre-processing, line segmentation, and post-processing, with advanced computer vision aiding accurate and efficient results.
- **Dementia data creation and analysis in Malayalam language** - The project aimed to collect voice samples of various dementia patients and create a dataset in Malayalam. The voice samples would then be analyzed using AI in speech processing and Natural Language Processing. A classification model was built to differentiate between dementia patients and non-dementia personnel using text and speech data.
- **Book My Hall** – Project to create a web application to book halls for events in college. Managed a team of 20 juniors to build the application.
- **Time Series Analysis of COVID data -** Used MS Excel and MATLAB to perform time series analysis on main airborne pollutants in Bengaluru city. This included data cleaning and analysis of trends with MATLAB and SPSS software.

POSITION OF RESPONSIBILITY

- **Joint Secretary, Sanskrit Club (June 2021 - October 2022)** – Responsible for the promulgation of Sanskrit Language within Amrita community
- **Senior Executive AMAL Club (October 2022 - October 2023) -** Responsible for the promoting of Industry and Academic collaboration.

CERTIFICATIONS

- Machine Learning for Soil and Crop Management IIT Kharagpur NPTEL Jan-Apr 2022
- Take Charge of Your Time by Ankur Warikoo India's leading time management course
- Google Cloud Skills Boost (EARNED June 30, 2023)

ACHIEVEMENTS / HOBBIES

- ICON of AMRITA Prestigious, annual award amongst freshmen October 2020