

VISHAL ARUN FARANDE

BVB Campus Vidhyanagar, Hubballi, Karnataka 580031

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Education

KLE Technological University, Hubballi (KLETU)

Bachelor of Computer Science Engineering

Expected Graduation: July 2024

CGPA: 8.64/10

Relevant Coursework

- Machine Learning
- Applied Statistics with R
- Graph and Linear Algebra
- Exploratory Data Analysis
- Database Management
- Data Integration Cloud Services
- Data Structures and Algorithms
- Object Oriented Programming
- Operating Systems

Technical Skills

Languages: C++ C Python Javascript

Developer Tools: Linux Git Jupyter

ETL Tool: Informatica 10

Experience

Dana Anand Private Limited

Machine Learning Intern - Hardware Oriented

July 2022 – May 2023

Dharwad, India

- Build a vision system which will identify the grooving in the tube yoke used in drive shaft.
- Working on deploying the models to the existing system and enhance their accuracy.
- Analyzed problems and created a user interface for the company to monitor the results.
- Explored new technologies with teams and approaches to streamline processes.

Machine Learning Research

GI Tract Image Segmentation

Prof. Shankaru Guggari

Aug 2022 - Dec 2022

Hubballi, India

- Developed an innovative solution using advanced machine learning techniques to accurately segment stomach and intestines in MRI scans, reducing the time-consuming and labor-intensive manual process for radiation oncologists.
- Applied state-of-the-art deep learning algorithms and image processing techniques to precisely segment tumor regions, enabling more effective treatment through radiology.
- Contributed to advancing medical imaging technology by automating the segmentation process, potentially leading to improved treatment outcomes and patient care.

Data Analysis Projects

Twitter and Circadian Rhythms

Prof. Shankar Gangisetty

March 2022 - May 2022

Hubballi, India

- Conducted an in-depth analysis of social media use, with a particular focus on Twitter, one of the largest global social networks. Explored the impact and attention received by social media as an independent form of electronic media.
- Utilized recorded tweets to investigate the influence of various factors, including seasons, gender, and age groups, on the Circadian Rhythm of individuals. Performed comprehensive data analysis to uncover patterns and insights related to the daily biological rhythms of people.

Cultural Heritage Data Transformation and Analysis

Prof. Uday Kulkarni

Feb 2023 - May 2023

Hubballi, India

- Developed a comprehensive database of India's cultural heritage, encompassing information on iconic monuments and landmarks, using Informatica's ETL feature.
- Applied data transformation techniques to extract valuable insights, enabling targeted tourism promotion and analysis of trends related to India's rich cultural heritage.

Leadership / Extracurricular

- Won the internal **Smart India Hackathon**, 2023.
- Served as a **Secretary of GDSC** of KLETU, Hubballi, 2022-23.
- **Head of Institute SIH Finale** KLETU, Hubballi, Aug 2022.