Yashraj Sanjay Kadam

Roll No.: 22BDS066
Data Science and AI
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TECHNICAL SKILLS AND INTERESTS

Languages: C, C++, Java, Python, Dart
Developer Tools: Git and GitHub, VS code, Jupyter Notebook, Android Studio, Eclipse, IntelliJ, Google collab
Frameworks: Flutter
Areas of Interest: App Development and Machine Learning

EXPERIENCE

- **App Development and ML Intern** — *Aug'23 - Present*
  funded by Indian Knowledge Systems(Division of MoE, AICTE) — Remote
  – Building a Mobile application on a ML research project under Professor.

- **International Conference on Information and Knowledge Management(CIKM), 2023** — *July '23*
  held at University of Birmingham and Eastside Rooms, UK — Remote
  – Sub-reviewed Research Paper with Professor titled "Estimating Potential Outcomes by Heterogeneous Graph Representation Learning" presented at CIKM 2023
  – Assess the quality of the paper's methodology, data analysis, and conclusions, ensuring adherence to established research standards, discuss and refine feedback, ensuring a thorough and comprehensive evaluation

PERSONAL PROJECTS

- **Analysis on Multi-Layer Transportation and Verified Facebook Page Network Datasets** — *June'23 - July'23*
  Analyzed datasets(Stanford Large Network Dataset SNAP) using Graphs Data Structure and Algorithms
  – Tools & technologies used: Java, VS code, Latex, Python, Jupyter Notebook
  – This research paper published compares 4 graph algorithms, Kruskal and Prim's for MST, Dijkstra's and Bellman-Ford for shortest path, on two multi-graph datasets. It finds various measures such as averages, minimum/maximum, medians values, while applying the PageRank algorithm for page ranking based on mutual likes, community detection is performed using the Louvain algorithm, and the concept of closeness centrality is in formulating comprehensive results.

- **Mess Register App** — *June'23 - July' 23*
  Created an App using Flutter
  – Tools & technologies used: Flutter, Android Studio, Android SDK, Android Development, Dart
  – Developing and Designing an app aimed at streamlining mess register management in college environments. Utilized Flutter and Dart for development, incorporating features such as user authentication using QR code on ID card, item and quantity selection and appending data into google sheets by integrating google sheet API.

- **House Price Prediction Model using Linear Regression Algorithm** — *May' 23*
  Implemented Linear Regression Algorithm on 2 datasets(sklearn library)
  – Tools & technologies used: Python, Jupyter Notebook, Numpy, Pandas, sklearn, matplotlib and seaborn libraries.
  – DataFrames were created(Numpy and Pandas), missing values in dataset were identified using heatmaps(seaborn library), analysis of the correlation between features in the datasets(matplotlib) and the dataset was standardized using StandardScaler module(sklearn), achieved an accuracy of approximately 80 percent in the Linear Regression model's predictions and utilized R-square and adjusted R-square to assess the accuracy of the model and validate its performance

EDUCATION

- **Indian Institute of Information Technology, Dharwad** — *2026*
  B Tech., Data Science and AI — CGPA: 8.17

- **Rasiklal M. Dhariwal English Medium School and Jr. College, Pune** — *2022*
  HSC, Maharashtra — Percentage: 82.00

POSITIONS OF RESPONSIBILITY

- **AI/ML Core Team Member,** Google Developer Student Club(GDSC IIIT Dharwad) — *Aug'23 – Present*
- **Technical Team Member,** IRIS Club(Robotics club IIIT DWD) — *Apr'23 - Aug'23*
- **Photographer,** IRIDESCENCE(Photography and Videography Club of IIIT DWD) — *Jan'23 – Apr'23*

ACHIEVEMENTS

- **JEE Advanced Qualified** — *2022*
- **Successfully received a call for the SSB interview from both the Indian Army and Navy** — *2022*