Ritika Dobhal

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Education

Vivekanand Education Society's Institute of Technology, **Mumbai**   **2023 - 2025**
 Master of Computer Application   CGPA: 8.83

NES Ratnam College of Arts, Science and Commerce, Mumbai   **2020 - 2023**
Bachelor of Science - Information Technology   CGPA: 9.40

Skills Summary

Languages : Python, Java
Data Analysis : R, Power BI, SQL, Google Sheet, MS Excel
Tools : Chat GPT , Figma , Canva
Platforms : Visual Studio Code, PyCharm, Streamlit
Soft Skills : Analytical Skills, Communication Skills, Problem-solving, Attention to Detail, Adaptability

Projects

Smart Attendees - Real Time Attendance system using Deep Learning in Python
- A Face Recognition Attendance System with a user-friendly interface is designed by using Pycharm using **Python** and **OpenCv**.
- Achieved unparalleled accuracy and efficiency, ensuring seamless workforce management.

FaceRecon Sketch - Forensic Face Sketching Software
- The software project involves creating a forensic facial sketching tool using **Java** for both its front-end and back-end components.
- It employs **SQLite** for efficient database management, providing law enforcement with an intuitive interface and customizable features to improve suspect identification.

AIQuery: AI-Powered PDF Conversational Assistant
- Integrated the **Google Gemini API** and **LangChain** to generate text embeddings and enable interactive question-answering with PDF documents.
- Implemented a FAISS vector database for efficient similarity search across PDF content, enhancing document retrieval through real-time conversational AI.
- Developed a scalable solution using Streamlit and PyPDF2 for text extraction and processing, optimizing large text data management and user interaction

Extracurricular & Achievements

Placement Ambassador - VESIT | LINK   **2023- present**
- Connected diverse companies and professionals to promote inclusive recruitment.
- Co-ordinated Job and Internship Opportunities and events to link students with employers.
- Analysed company placement trends to support placement team's decisions.
- Led cross-functional teams to coordinate recruitment opportunities, analyzing trends to optimize processes and reduce time-to-value for students and companies.

E- Cell Core member - NES Ratnam | LINK   **2022- 2023**
- Successfully coordinated and managed various technical and cultural aspects of the NES Startup Fest.
- Demonstrated leadership by motivating the team and ensuring timely task completion.
- Showed resourcefulness in overcoming obstacles and maintaining a positive attitude throughout the period.

- **Secured 1st rank in second year BSc IT at college level. | LINK**
- **Secured 13th rank in Python Programming coding contest by IIT, Madras. | LINK**
- **Student Editor for department newsletter, Anantha. | LINK**
- **Had the opportunity to attend the All India MCA Meet held at NIT Trichy and represent the college at the VERSION fest. | LINK**

Certifications

- Cloud Computing | NPTEL | LINK
- The Joy of Computing using Python | NPTEL | LINK
- Web Analytics | Future Learn | LINK
- Foundation Level in Programming and Data Science | IITM | LINK