PEARL BHARTI *UX Researcher*

1118 Ann Street, Madison, WI 53713 ● [608-239-2971](#)● [pbharti@wisc.edu](#) ● [LinkedIn](#) ● [Medium](#)

EDUCATION

University of Wisconsin-Madison, The Information School, Madison, WI **August 2023**
M.S. Information | User Experience Concentration
Fr. Conceicao Rodrigues College of Engineering, Mumbai, India **August 2019 - May 2023**
B.E in Computer Engineering (CGPA – 8.99/10)

WORK EXPERIENCE

Century Plaza, Mumbai, India **September 2022 – August 2023**
Database Management Intern
• Pioneered highly efficient, scalable database infrastructure with a commitment to data security and reliability
• Executed flawless maintenance and migration, optimizing system performance and data integrity

Languify, Mumbai, Indi **January 2021 – January 2022**
AI Intern
• Engineered an ASR system using DNNs, CNNs, and LSTM-based RNNs, resulting in 97%+ accuracy.
• Integrated this system seamlessly into applications for real-time voice recognition, enhancing user experience.

Dentist Channel Online, Mumbai, India **September 2020 – November 2020**
Content Writer
• Demonstrated proficiency by crafting four meticulously researched articles daily within the specialized domain of dentistry
• Implemented advanced SEO strategies on the exclusive Integrative Dentistry platform in India.

Anat, Mumbai, Indi **January 2020 – April 2020**
Program Co-ordinator
• Strategically curated and executed diverse events in collaboration with Trans artists.
• Managed meticulous event logistics to ensure seamless execution and artist satisfaction

RELEVANT PROJECTS

Voice based E-mailing system for the disabled **2022-2023**
•Created a voice-guided interface, eliminating touch reliance for disabled users, as part of an email integration project.
•Contributed by designing a feature-rich application with functionalities such as composing, deleting, replying, forwarding, alongside collaboratively worked on an algorithm.
Name Entity Recognition System **2022-2023**
•Created NLP model development, yielding an outstanding 98.52% accuracy, with dynamic real-time performance visualization using LiveLossPlot.
Employee Clock-in system using Facial Recognition **2022-2021**
• Implemented Haar Cascade for robust face detection and employed the LBPH (Local Binary Pattern Histograms) algorithm for accurate facial recognition, ensuring seamless clock-in and clock-out processes.
Building a web application - Supply chain for Confectionery Products **2020-2021**
• Co-created a Blockchain Supply Chain composer for the, uniting Retailing, Wholesaling, and Manufacturing domains.
• Delivered improvement in supply chain efficiency, offering unparalleled flexibility, visibility, tracking, and traceability.

TECHNICAL SKILLS AND SOFT SKILLS

Operating Systems and Databases: Windows, Linux, Ubuntu, SQL, Oracle
Programming Languages: Python(NumPy, Pandas, Matplotlib), C, Java, JavaScript, HTML, CSS, ReactJS, jQuery
Tools: Figma, Amazon Web Services, Scikit-learn, OpenCV, Android Studio, Miro
Languages- English, Hindi, Marathi, Punjabi, Urdu, Kashmiri, French
Rotaract Club: *Club Service Director,* (2020-2021)
• Led a nationwide virtual marathon with 750+ participants, raising funds for children and women's welfare
 • Launched transformative initiatives, including "The Red Wall" project, diversity seminars, and a video series.