Mudra Pandya

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PROFILE SUMMARY

Information Systems graduate student with emerging research interests in human-computer interaction and accessible technology design. Seeking to combine technical skills with human-centered research to address accessibility challenges for vulnerable populations. Currently pursuing opportunities to contribute to meaningful research while developing expertise in HCI methodology and inclusive design practices.

EDUCATION

Northeastern University, Toronto   **2024-2026**
Master of Science in Information Systems   **Current GPA: 4.0**
Relevant Coursework: Database Management, Business Analysis, System Design, Data Analytics
Undergraduate Research Assistant | Sep 2024 – Present

Centennial College, Toronto   **2023-2024**
Postgraduate Diploma in Mobile Application Development   GPA: 4.2
Capstone Project: Developed mobile applications using Android and iOS technologies

Gujarat University, Ahmedabad   **2019-2022**
Bachelor of Computer Applications   GPA: 4.0
Honors: First Class with Distinction
Activities: Debate Team Captain, Covid Helpline Coordinator

SKILLS

Languages: Python | SQL | Java | JavaScript, HTML | CSS | PHP | VB6 (basic)
Microsoft Office: Excel (advanced) | Word | PowerPoint | Outlook
Research Tools: Statistical Analysis | Data Visualization | User Research Methods | Accessibility Testing
Applications: MySQL | Oracle | Git | Power BI | Tableau | Google Analytics | Content Management Systems
Core Competencies: Human-Computer Interaction | Accessible Design | Technical Writing | Cross-Cultural Research | Data Analysis

PROFESSIONAL EXPERIENCE

RCIScience, Toronto | UI/UX Consultant   **Sep 2024 – Present**
  Analyzing user engagement patterns and optimizing digital experiences for diverse audiences

Bay Ridges Market, Ajax | Business Operations Assistant   **Jan 2024 – Present**
  Analyzed user behavior data and automated reporting processes, improving workflow efficiency by 15%
  Created data visualizations and reports using Excel and Power BI for business decision-making

Prismetric Tech Pvt. Ltd., Gandhinagar, India | Research & Content Analyst   **Mar 2021 – Jul 2023**
  Researched and wrote 300+ articles on emerging technologies, AI ethics, and accessibility in computing
  Collaborated with development teams to translate complex technical concepts for general audiences
  Developed content focusing on inclusive technology design and social impact of computing

Gujarat Infotech, Ahmedabad, India | Research Intern   **Jan 2021 – Feb 2021**
  Analyzed customer engagement metrics and survey data to improve service delivery and stakeholder satisfaction
  Developed customer insight reports and recommendations, increasing customer engagement visibility by 30%

PROJECTS & RESEARCH INTERESTS

Accessible AI for Financial Decision-Making | Northeastern University | 2024
  Developing machine learning models for loan approval prediction with fairness and accessibility considerations
  Investigating how algorithmic decision-making can be made more transparent and inclusive

Mobile Accessibility Research | Centennial College | 2023-2024
  Designed mobile applications with focus on accessibility features for users with diverse abilities
  Conducted user research to understand accessibility needs in mobile interface design

Inclusive Web Design for Government Services | Gujarat University | 2022
  Developed hotel reservation system with accessibility considerations for elderly users
  Applied universal design principles to create inclusive digital experiences

CERTIFICATIONS

SQL Certification — [LinkedIn](#)
Microsoft SQL Server — [Linkedin](#)
Content Marketing Strategy— [University of California, Davis](#)