MANSI NEGI

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• LinkedIn • Portfolio

SUMMARY

Masters student in Computer Science specializing in Human-Computer Interaction (HCI) at Northeastern University. Skilled in front-end technologies and design methodologies, with a strong focus on user experience and interface design. Eager to apply advanced systems thinking and rapid prototyping skills to drive user-centric innovations in technology.

EDUCATION

Masters of Science in Computer Science Sept 2023 – August 2025

NORTHEASTERN UNIVERSITY | Boston, MA

Human Computer Interaction, Algorithms , Database Management Systems, Programming design paradigm

Bachelors of Technology in Computer Science July 2017 – May 2021

SRM INSTITUTE OF SCIENCE AND TECHNOLOGY | Kattankulathur, India

Algorithms, Data Structures, OOPS, Software Engineering

SKILLS

Programming Languages: Java, C, C++, SQL, JavaScript, HTML, CSS

Frameworks: BootStrap5, React JS, JavaSwing

Tools & Technologies: MySQL, IntelliJ, MS Office, Tableau, Jira, Visual Studio

Design Tools: Axure, Adobe Creative Cloud, Sketch, Figma, Canva

Specializations: Agile Methodologies, User Story Creation, Product Backlog Management, Data-driven Decision Making

PROFESSIONAL EXPERIENCE

Teaching Assistant Northeastern University | Boston Jan 2024 – Present

- Held 5-hour weekly office hours and actively managed Piazza inquiries, ensuring prompt responses within 10 hours to significantly enhance student engagement and understanding. Consistently answered 20 inquiries every week.
- Graded assignments and class activities for a class of 115 students, employing detailed rubrics for consistency and providing constructive feedback to support student academic development.

Quality Specialist Bank of America | GIFT City June 2021 – July 2023

- Conducted comprehensive quality assessments and executed intricate test cases, ensuring seamless functionality of software applications; reduced critical defects by 40% and improved user satisfaction by 65%.
- Identified and documented 50+ software defects through meticulous collaboration with development teams, enabling swift resolutions and reducing customer support issues by 45%.
- Responsible for the creation and ongoing management of test plans, test scenarios, and test scripts to guarantee thorough testing coverage.
- Facilitated dialogue between stakeholders, developers, product owners to solve quality concerns, giving feedback.
- Conducted comprehensive integration testing, regression testing to identify software defects and verify bug fixes.
- Observed 95% of bugs in the testing environment hence reducing chances of bugs in the production.

RELEVANT PROJECTS

Academic Collaboration Platform - Northeastern University, Boston, MA

- Led the end-to-end creation of "Academia", an academic collaboration platform, from conceptualization to high-fidelity prototype. Integrated scheduling, quizzes, and collaborative tools, enhancing user interaction.
- Conducted focus groups and created detailed personas to guide design decisions. Developed storyboards and user journey maps to visualize the user experience, ensuring alignment with user needs and expectations.
- Managed iterative design, refining UI/UX through feedback from prototypes. Used Wizard of Oz testing to validate features, enhancing user engagement.

Enhancing User Experience on DoorDash: A Redesign of the Restaurant Menu Page

- Improved navigation, visual appeal, and functionality of DoorDash's menu page to enhance user engagement and satisfaction through streamlined navigation, detailed nutritional information, and user-centric review filters.

Graphical Image Manipulation and Enhancement (GRIME) - Northeastern University, Boston, MA

- Engineered over 18 image processing features for GRIME, achieving a comprehensive set of functionalities, including loading/saving images, channel visualization, flipping, blurring, sharpening, color correction etc.

Heart Disease Prediction Project

- Implemented and compared various supervised ML algorithms including Linear Regression, SVM, Naïve Bayes, Decision Tree, achieving a notable model accuracy of 88.4%.