

MANSI NEGI

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SUMMARY

Master's student in Computer Science at Northeastern University, specializing in front-end development with proficiency in HTML, CSS, JavaScript, and React. Skilled in designing scalable web applications and improving user experiences, ready to contribute to a dynamic engineering team.

EDUCATION

Masters of Science in Computer Science

Sept 2023 – August 2025

NORTHEASTERN UNIVERSITY | Boston, MA

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

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, Python, C++, SQL, JavaScript, HTML, CSS

Frameworks and Technologies: React JS, JavaSwing, BootStrap5, Figma, Canva

Tools and Services: IntelliJ, MS Office, Git, Tableau, Jira, Visual Studio, Selenium, Cypress, Docker

Soft Skills: Proficient in problem-solving, communication, time management, teamwork, and agile methodologies.

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant Northeastern University | Boston

Jan 2024 – Apr2024

- 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 anomalies in the production environment.

RELEVANT PROJECTS

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.
- Designed and implemented a responsive graphical user interface, enabling interactive image processing. The GUI accommodates a dynamic histogram display and facilitates real-time visualization of changes.

Weather Application

- Developed a responsive weather web app using HTML and Modern JavaScript.
- Implemented location detection with browser and IP-based fallback using the IP Geolocation API by ipbase.com.
- Integrated the OpenWeatherMap API for fetching current weather data, and utilized an Image Service by unsplash.com to dynamically change background images based on city names.

Heart Disease Prediction Project

- Data science project combining over 900 observations from five distinct datasets, to predict heart disease outcomes using machine learning.
- Implemented and compared various supervised ML algorithms including Linear Regression, SVM, Naïve Bayes, Decision Tree, achieving a notable model accuracy of 88.4%.