

HEENA

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Education

NUST - National University of Science & Technology

Bachelor of Science in Computer Science

2020 – 2024

Islamabad, Pakistan

Relevant Coursework

- | | | | |
|---------------------------|------------------------------------|------------------------|-------------|
| • Artificial Intelligence | • Design and Analysis of Algorithm | • Data Structures | Programming |
| • Database Systems | | • Software Engineering | |
| • Web Engineering | | • Object Oriented | |

Experience

SageTeck

June 2025 – Present

Software Quality Assurance Engineer

Islamabad, Pakistan

- Worked on multiple client projects, including CRM platforms, ensuring quality across web and mobile applications.
- Performed comprehensive manual testing including functional, regression, integration, and UAT testing.
- Participated in requirement analysis, sprint planning, and user story reviews with cross-functional teams.
- Validated RESTful APIs using Postman for cross-browser and device testing.
- Created and maintained test plans, test cases, and bug reports using JIRA and ClickUp.
- Supported UAT and sprint demos to ensure delivery of client-ready, high-performing CRM solutions.

RecruitBPM

July 2024 – June 2025

Software Tester

Islamabad, Pakistan

- Executed functional, regression, and exploratory testing using Jira and Trello, ensuring 99% software stability across core modules.
- Developed and executed detailed manual test cases using TestRail to identify critical defects.
- Collaborated closely with developers to resolve issues swiftly and provided detailed bug reports.
- Assisted in test planning and contributed to enhancing QA workflows.

Projects

PoseMate - Improved Pose Estimation and Correction | AI, CNN, Mobile Development

Final Year Project

- Developed a mobile app leveraging trigonometric calculations and CNN models for real-time posture evaluation to improve workout performance.
- Optimized data preprocessing, reducing training time by 30%, and achieved 95% accuracy on a dataset of 20,000 images.

Real-Time Chat Application | ReactJS, WebSocket

Semester Project

- Developed a real-time chat application using WebSocket technology for seamless user communication.
- Implemented an intuitive and responsive interface ensuring optimal user experience.

Predicting Frequent Item Set in Grocery Store | C++, Data Mining

Semester Project

- Implemented the Apriori algorithm in C++ to identify frequent item sets from supermarket transaction datasets.
- Provided critical insights for market basket analysis and inventory management optimization.

Obstacle Avoiding Robot | Arduino, Embedded Systems

Semester Project

- Designed and built an Arduino-based obstacle-avoiding robot with ultrasonic sensors for real-time detection.
- Programmed autonomous navigation, showcasing hardware interfacing, programming, and problem-solving skills.

Technical Skills

Languages: JavaScript, C++, Python

Frameworks & Libraries: ReactJS, PyTorch, TensorFlow

Testing & QA: Manual Testing, Functional Testing, Regression Testing, Integration Testing, UAT, Exploratory Testing, API Testing, Cross-Browser Testing

Tools: Jira, Trello, ClickUp, Postman, TestRail

Databases: MySQL

Other Skills: Test Case Design, Bug Reporting, Requirement Analysis, AI/ML Basics, Project Management

Achievements & Leadership

Outstanding Project Achievement

2024

Final Year Project - Third Place

NUST

- Facilitated code reviews and ensured effective team communication throughout the project lifecycle.
- Solved complex technical problems and secured third place in department for PoseMate project.