

# HEENA

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## Education

**NUST - National University of Science & Technology**

**2020 – 2024**

*Bachelor of Science in Computer Science*

*Islamabad, Pakistan*

## Relevant Coursework

- |                           |                          |                        |             |
|---------------------------|--------------------------|------------------------|-------------|
| • Artificial Intelligence | • Design and Analysis of | • Data Structures      | Programming |
| • Database Systems        | Algorithm                | • 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.