

Shourav Misro

B.Sc. in CSE
Ahsanullah University of Science Technology

+88-01400300661
github/shouravmisro
misroshourav@gmail.com
Shouravmisro.github.io

PERSONAL PROFILE

Dealing with practical issues excites and motivates me. Through team collaborations and the organization of competitive events, I have developed my technical talents, communication abilities, and leadership traits, all of which stem from my passion for programming and hardware. The opportunity to join a prestigious organization excites me because it will allow me to put my skills to use, learn new things, and advance in my career. My readiness to have a significant influence in the IT business is a result of my problem-solving skills, resilience, and dedication to excellence.

EDUCATION

Ahsanullah University of Science Technology

Nov 2021 – Dec 2025

B . S c . in Computer Science and Engineering

Bir Shreshtha Munshi Abdur Rouf Public College

2020

HSC

GPA: 5.0

SKILLS

- **Programming Languages:** Python, C#, Java, C, C++, HTML, CSS.
- **QA & Testing Tools:** Postman, Jira.
- **Testing Knowledge:** Manual Testing, Test Case Design, Bug Reporting, API Testing, Regression Testing.
- **Development Tools:** Git, Docker
- **IDEs:** Visual Studio, VS Code, Android Studio, CodeBlocks, Google Colab, Arduino IDE.
- **Framework & Database:** ASP .NET MVC, Android, PHP, MySQL, Firebase.
- **Embedded & Hardware Skills:** Sensor interfacing, data acquisition, actuator control, hardware debugging.
- **Soft-Skills:** Leadership, Communication, Teamwork, Adaptability.

Quality Assurance & Testing

- Manual Testing (Functional, Regression, Smoke, Black-box testing)
- Test Case Design & Execution
- Bug Reporting & Defect Tracking (Jira)
- API Testing (Postman)
- Requirement Analysis & Test Scenario Creation
- SDLC & STLC Knowledge
- Basic understanding of Test Plans and Test Reports

EXPERIENCE

AI & Hardware Developer, AI ROBOT BONDHU

2016-2019

ICT MINISTRY, BANGLADESH

- Participated in system validation and functional testing of AI modules.
- Assisted in debugging and performance evaluation.
- Conducted hardware and software integration testing.
- Supported issue identification and reporting during system development.

PERSONAL PROJECTS

Software Projects

- [LearnLink](#) [Role: QA Engineer | HTML, JavaScript, CSS, C#, ASP.NET MVC] **2024**
 - Designed and executed 50+ detailed test cases based on functional requirements.
 - Performed end-to-end testing of 30+ user workflows.
 - Conducted API testing using Postman to validate backend responses.
 - Verified 500+ database records for data accuracy and consistency.
 - Identified, documented, and tracked 20+ defects using structured bug reports.
 - Performed regression testing after bug fixes to ensure stability.
- [Personal Dashboard](#) [Python, Flask, HTML, CSS] **2025**
 - A cloud-deployed personal dashboard web application to organize and visualize personal data, focusing on a clean and user-friendly interface.

- **Local Business Directory** [HTML, CSS, Bootstrap, PHP, MySQL] **2024**
 - Conducted functional and database validation testing for listing and search features.
 - Created structured bug reports and validated backend data integrity.
- **Root** [Java, Android] **2023**
 - Performed end-to-end testing of product, cart, and checkout workflows.
 - Reported UI and functional defects and verified fixes through structured regression testing.
- **Hospital Management System** [Java, MySQL Server] **2023**
 - Designed and executed functional and regression test cases for patient, appointment, and record modules.
 - Identified and documented defects related to data validation, workflow logic, and database consistency.

Hardware Projects

- **Implementation of Intelligent solar panel system** [ESP32, Jetson Nano] **2024 - 2025**
 - A Centralized system for solar power including protection, cleaning, power sharing, weather monitoring and other features.
- **The Unified Smart Home Ecosystem** [ESP32, Raspberry Pi] **2025**
 - Centralized IoT system integrating wellness, security, and energy management with AI-driven monitoring and smart automation.
- **Traffic Management System** [ESP32, Gyroscope, GPS] **2024**
 - A fog and edge network system for making real time decisions.

Research Work :

- **Design & Implementation of Intelligent Solar Panel System** *Abstract published at IEEE CS BDC Summer Symposium 2025, HSTU.*
 - Implementation with system testing, data validation, sensor accuracy verification, and automation monitoring

EXTRACURRICULAR ACTIVITIES

- **Organizing Committee Member**
 - AUST CSE CRICKET TOURNAMENT, SPRING 2024
 - ANNUAL PICNIC OF CSE DEPT 2024
 - AUST CSE CARNIVAL 5.0, SPRING 2024
 - AUST CSE REVELRY, SPRING 2024
 - THE LAST NOTE, FALL 2024

COCURRICULAR EXPERIENCE

- ICT Olympiad Bangladesh Campus Ambassador *2022-2023*
- AUST ROBOTICS CLUB Executive *2021-2025*
- AUST PROGRAMING & INFORMATION CLUB Executive *2022-2023*

ACHIEVEMENTS

- | | | | |
|---|------------------|---|------------------|
| ▪ SQA Hackathon 2026 by Tech X
<i>2026</i>
Identified 20+ defects in a banking web application within 3 hours through structured manual testing and quality bug reporting. | Champion | ▪ AC RED League Football Tournament
<i>2024-2025</i>
Football Tournament | Champion |
| ▪ BCSIR NATIONAL SCIENCE FEST
<i>2016</i>
Project showcase: Smart Security System | Champion | ▪ AUST CSE FUTSAL CHAMPIONSHIP, Fall '24
<i>2025</i>
Inter Aust CSE Football tournament | Champion |
| ▪ BCSIR NATIONAL SCIENCE FEST
<i>2019</i>
Project Showcase: Affordable Prosthetic Hand for physically disabled people | Runner-up | ▪ AUST CSE FOOTBALL CHAMPIONSHIP, FALL '24
<i>2025</i>
Inter Aust CSE Football tournament | Runner-up |
| ▪ ROBOMANIA 1.0
<i>2024</i>
Bot Fight | Runner-up | ▪ AUST CSE Cricket Tournament, SPRING '24
<i>2024</i>
Inter Aust CSE Cricket tournament | Runner-up |
| ▪ CEFALO, AUST CSE CARNIVAL 2.0
<i>2023</i>
Soccer-Bot Competition | Runner-up | ▪ Naimal Memorial Cricket Tournament, Fall '22
<i>2023</i>
Inter Aust CSE Cricket tournament | Runner-up |