

# SHOWRIN RAHMAN

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Aspiring Software Engineer with expertise in Quality Assurance, currently pursuing a CS major at BRAC University. Passionate about utilizing GeoAI for disaster management and making an impact through machine learning, deep learning, and computer vision.

## SKILLS

Python, JavaScript, React.js, Next.js, HTML, CSS, Tailwind CSS, Mantine UI, OpenCV, YOLO, PyTorch, Scikit-Learn, NumPy, Pandas, Git/GitHub, Google Suite, Confluence, Jira, Jest.

## PROFESSIONAL EXPERIENCE

### Sysonex, Quality Assurance Analyst (Remote)

Jan 2024 - June 2024

- Achieved a 25% increase in QA productivity by coordinating 60+ daily scrums and managing 10+ sprints.
- Secured a 15% reduction in bug backlog by leading a 3-member QA team through improved collaboration.
- Streamlined tracking and documentation by logging 80+ test cases in Jira.
- Enhanced bug fixing and UI/UX improvements by using Git/GitHub for version control and React.js/Next.js for development.

## AWARDS AND HONORS

- OSUN Undergraduate Mobility Scholarship ,Spring 2024, (\$41,019), Bard College, USA: Fully funded for tuition, accommodation, living expenses, insurance, and travel.
- 2nd Runner-Up, 3rd Kibo Robot Programming Challenge 2022 , Japan Aerospace Exploration Agency(JAXA)).
- Top 5 Finalist, FOREWARN Disaster Hackathon 2.0 (84 teams).
- Top 15, Banglalink Womentor Program (400 applicants).

## CO CURRICULAR ACTIVITIES

### Bracu Mongol Tori , Senior I

Feb 2022- June 2024

- Developed an offline rover mapping system with 20% efficiency gain, worked with OpenCv and Yolo v5 and built the BRACU Mongol Tori website frontend

### Robotics Club of BRAC University - ROBU, Secretary

Jan 2024 - June 2024

- Served as a panelist in a 40-member Research and Project Management department, managed the flagship Basics of Robotics course, and developed 5+ projects using ROS, OpenCV, Arduino, and Raspberry Pi.

### Team Bertho, Web developer

June 2021 - October 2022

- Designed Team Bertho's website using WordPress, enhancing youth engagement and community building through storytelling and digital media.

## EDUCATION

### BRAC University, Dhaka, Bangladesh

June 2021 -

- BSc in Computer Science(CS)

### Bard College, Annandale-On-Hudson, New York, USA

Jan 2024 -May 2024

- Exchange Semester, Spring 2024

## PROJECTS

- Detecting Vegetation Degradation with Satellite Imagery using Deep Learning Techniques
- An Algorithmic Approach for Optimizing Cyclone Evacuation Processes using Agent-Based Simulation
- Predictive Jamuna Riverbank changes Mapping using Google Earth Engine, HTML, CSS, JavaScript, Leaflet.js, Machine Learning

## INTERESTS

Loves watching interviews, podcasts, and comic shows with a genuine passion for meeting new people and forging meaningful connections.