

# Tawhid Hasan

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🌐 [www.linkedin.com/in/tawwhidhasan](http://www.linkedin.com/in/tawwhidhasan) 🔗 <https://tawhid-hasan-portfolio.lovable.app/>

## SKILLS

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Web: HTML, CSS, JavaScript, PHP, Testing: Manual & Basic Automated Testing, Quality Assurance, Test Case Design, Regression Testing, Functional Testing, Programming: Python, SQL (MySQL), C Data Expertise: Data Analysis, Data Visualization, Tools: Jira, ClickUp, Power BI, Excel, Google Sheets/Docs, Microsoft Office, Methodologies: SDLC, STLC, Agile.

## PROJECTS

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### BookShelf (Online Library Management) 🔗

- Designed an intuitive online library interface to browse and borrow books, making reading more accessible to all users.
- Implemented a secure user authentication system with personalized dashboards, improving account safety and ease of use.
- Added advanced book search and categorization features, helping users quickly find and manage their reading lists.

**Tech:** HTML, CSS, TailwindCSS, DaisyUI, JavaScript, Firebase Authentication, React.js

### Tourism Management System 🔗

- Designed and developed a fully functional tourism management web platform managing 15+ tour packages and multiple promotional offers, allowing users to seamlessly explore, compare, and book travel services.
- Implemented search and filter functionality, real-time availability checks, and reservation processing, which improved customer experience by reducing booking time and increasing engagement rates.
- Ensured responsive design for accessibility across devices and optimized backend workflows for faster data retrieval.

**Tech:** HTML, CSS, JavaScript, PHP

### UserInterface Website – SQA Project 🔗

- Conducted extensive manual testing to identify 50+ defects, including UI/UX inconsistencies, form validation errors, and navigation flow issues.
- Created detailed test documentation, including test cases, defect logs, and improvement reports, to guide the development team.
- Verified bug fixes and enhancements, leading to improved form validation accuracy, smoother navigation, and enhanced interactive elements.

### Online Banking Transactions – Data Analytics Project 🔗

- Performed data extraction and analysis using SQL on customer and transaction datasets to compute key performance indicators (KPIs) such as unique customer counts, regional transaction distribution, total sales, and week-over-week trends.

- Developed three interactive Power BI dashboards showcasing customer segmentation, regional sales trends, and transaction behavior patterns.
- Enabled data-driven decision-making that supported the optimization of targeted marketing campaigns, improving campaign effectiveness and customer engagement rates.

## EDUCATION

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**Green University of Bangladesh,**  
*B.Sc. in Computer Science Engineering*

2022 – Present

## PROFESSIONAL EXPERIENCE

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### **Ambassador, 4th ICRCs | International Conference on Robotics, Control and Smart Systems**

- Coordinated speakers, facilitated networking for hundreds of attendees, and guided audience engagement to ensure a seamless, professional conference experience.

## INTERESTS

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Python, TensorFlow, PyTorch, Scikit-learn, Machine Learning, Deep Learning, Data Analysis & Visualization (Matplotlib, Seaborn, Power BI), Google Colab, Git/GitHub.