



ADRI SAHA

Assistant Software Quality Assurance Specialist

CONTACT

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EDUCATION

Jagannath University

MSc in Computer Science & Engineering
2025 | Current CGPA 3.81 / 4

East West University

BSc in CSE (Major in Data Science)
2023 | CGPA 3.61 / 4

Central Women's College

HSC, Science
2018 | CGPA 4.25 / 5

Bangla Bazar Govt. Girls High School

SSC, Science
2016 | CGPA 4.78 / 5

LANGUAGES

- Bangla – Native
- English – Professional Working Proficiency (IELTS Band 6.0)
- Hindi – Conversational

AWARDS

- Dean's List Scholarship (Spring 2022 – Fall 2022)
- Medha Lalon Scholarship (Spring 2021 – Fall 2021)
- Champion, Basic Photoshop Tools (Adobe Photoshop)

CAREER OBJECTIVE

Seeking to leverage my expertise in Software Quality Assurance (SQA), software development, and growing interest in AI technologies to contribute to innovative solutions while continuously advancing my technical skills.

WORK EXPERIENCE (3.5 YEARS)

Assistant Software Quality Assurance Specialist

2025 – Present

MicroMac Techno Valley Ltd.

- Perform manual and automated testing for banking, e-commerce, web, and mobile applications.
- Perform API testing, database testing, and SQL-based data validation.
- Identify, report, track, and verify defects using bug-tracking tools.
- Develop and maintain automation scripts and support test execution.
- Prepare test reports, user manuals, QA documentation, and training datasets.

Graduate Teaching Assistant

2023 – Feb 2025

East West University

- Conducted laboratory sessions on DBMS, Networking, Data Communications, Digital Logic, Structured Programming, AutoCAD, and Physics.
- Assisted professors with lab activities, assessments, documentation, and student support.

Undergraduate Teaching Assistant

2021

East West University

- Conducted Java OOP laboratory sessions and assisted students with programming, debugging, and practical problem-solving.

RELATED PROJECTS

- **AmaderHR:** Designed automated and executed manual test cases and bug reports for critical HRM functionalities, including Dashboard, User, Education, Bank, and employee management.
- **Heart Disease Prediction (Machine Learning):** Jupyter Notebook project covering three primary treatment approaches for heart failure: lifestyle changes, medication, and other treatments.
- **Students Management System:** VS Code, MySQL, PHP for login, data store, view, and remove pages; HTML and CSS for design.
- **E-commerce Website:** PhpStorm. Online shopping website built with Laravel.
- **Olympic 2020 Website:** Built with Oracle APEX and SQL Server.

SKILLS

AI Tools & Technologies Antigravity, GitHub Copilot, OpenAI Codex, Claude AI, Google Gemini, Generative AI, LLMs, Prompt Engineering, AI-Assisted Test Case Generation

Software Testing & Automation Manual Testing, Test Case Design & Execution, Bug Tracking, SDLC, STLC, Agile/Scrum, Selenium WebDriver, Katalon Recorder, PyTest

API & Database Testing Postman, REST API Testing, SQL, MySQL, Toad Oracle

Programming & Development Python, PHP, Laravel, C, C++, JavaScript, HTML, CSS, Bootstrap

Project Management & Bug Tracking Jira, Zephyr Scale, Mantis Bug Tracker, Redmine, Trello

Performance & Security JMeter, Burp Suite, Version Control

Development & Testing Environment PhpStorm, PyCharm, Visual Studio, Jupyter Notebook, XAMPP, Code::Blocks, MySQL Server, Oracle APEX

Data Annotation & Visualization Label Studio, Roboflow, Microsoft Excel, Advanced Excel, Google Sheets, Draw.io, Lucidchart

Documentation & Modeling Microsoft Word, Microsoft PowerPoint, LaTeX, UML, Use Case, Activity, ER and Database Diagrams, Process Flow Modeling

Interpersonal Skills Leadership, Communication, Teamwork, Management, Problem Solving, Collaboration, Entrepreneurship

CERTIFICATIONS

- Web Design & Development using Laravel and Vue – BITM (Dec 2022 – May 2023)
- UI/UX Design Training – Creative IT Institute
- Graphic Design Workshop – UY LAB
- Cleaning Data in Python – DataCamp
- Intro to Data Visualization with Seaborn – DataCamp
- Unsupervised Learning in Python – DataCamp
- Intro to Data Science in Python – DataCamp
- Basic Adobe Photoshop

RESEARCH WORKS

Automatic Bangla Digital Number Plate Detection and Recognition System using Image Processing and Deep Learning
Supervisor: Dr. Md. Nawab Yousuf Ali, Professor, Dept. of CSE
Developed a framework for automatic Bangladeshi number plate detection and recognition using YOLO V7 for plate detection, image processing techniques for character localization, and VGG19 for character recognition, achieving high performance and accuracy throughout the process.

Integrated Feature Selection-Based Stacking Ensemble Model Using Optimized Hyperparameters to Predict Breast Cancer with Smart Web Application
Supervisor: Dr. Mohammed Nasir Uddin, Professor, Dept. of CSE, Jagannath University
Developed a high-accuracy predictive model and a user-friendly web app for early breast cancer detection using advanced machine learning techniques.

TRAINING SUMMARY

Software Quality Assurance and Testing 2024 | 6 months
Enhancing Digital Government and Economy (EDGE), ICT Division, Jagannath University, Bangladesh
Topics: Testing, Automation, Test Report, Bug Report **Result:** 99%

Web Design & Development 2023 | 6.5 months
BASIS Institute of Technology & Management (BITM), Kawran Bazar, Bangladesh
Topics: PHP, Laravel, Vue, JS **Result:** 80%

EXTRACURRICULAR ACTIVITIES

- **Research Director**, East West University Model United Nation Club (2021 – 2023)
- **Senior Executive**, East West University Puja Celebration Committee (2022)
- **Content Writer (Freelance)**, Bdapps (2019 – 2020)
- **Senior Associate Member**, East West University Computer Programming Club (2020)

REFERENCES

Dr. Md. Nasir Uddin
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(Project Supervisor)
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