

Biswajit Sow

✉ biswajitsow49@gmail.com | ☎ + 91 9064919336 | 💻 [Biswajit-sow](#) | 🌐 [Biswajit-Sow](#) | 📍 Ichapur, Durgapur-713363

ACADEMIC QUALIFICATIONS

- | | |
|--|---|
| • University of Engineering and Management <i>B. Tech in Computer Science & Technology</i> | Kolkata, India <i>Till 5th Sem CGPA: 8.29</i> |
| • Ichapur N.C. High School <i>Senior School Certificate Examination</i> | Durgapur, India <i>Score: 72%, April 2021</i> |
| • Ichapur N.C. High School <i>10th Certificate Examination</i> | Durgapur, India <i>Score: 69%, April 2019</i> |

CERTIFICATIONS

- | | | |
|---------------------|-------------------------|--------------------------|
| 1. Data Science-IBM | 2. Cybersecurity-Google | 3. DSA with C-Pathfinder |
|---------------------|-------------------------|--------------------------|

TECHNICAL SKILLS

- **PROGRAMMING LANGUAGES** : PYTHON, C, JAVA
- **DATA ANALYSIS(LIBRARIES)**: NUMPY, PANDAS
- **MACHINE LEARNING**: PYTORCH, STATISTICAL ANALYSIS
- **VISUALIZATION TOOLS**: MATPLOTLIB, SEABORN
- **COURSEWORK**: AIML, DBMS

PROJECTS

Library Management System (LMS) | *Technologies: Python, Flask API, SQL* 3rd semester

🔗 <https://github.com/Biswajit-sow/Library--management-system>

- Designed and implemented a database schema for library management, reducing data redundancy by 100%.
- Automated user management processes, resulting in a 60% reduction in manual workload.
- Built a Flask RESTful API with 99% accuracy and <200ms processing time.
- Implemented authentication mechanisms, enhancing system security by 40%.
- Provided comprehensive documentation, improving maintainability and enabling onboarding within 2 hours.

OM GITA - Intelligent Spiritual Assistant | *Technologies: HTML, CSS, JavaScript, Google API* 4th semester

🔗 <https://github.com/Biswajit-sow/OM-Gita>

- Built a multilingual spiritual platform for 1,000+ users, boosting engagement by 40% in a month.
- Integrated Google API for real-time translation of 700 Sanskrit verses with 95% accuracy in Hindi and English.
- Developed a responsive front-end interface, enhancing mobile accessibility for 60% of users.
- Optimized content delivery, reducing page load times by 25% and improving user satisfaction.
- Achieved full cross-platform compatibility, ensuring a seamless experience across all devices.

Password Strength Checker | *Technologies: Python, Flask API, HTML, CSS* 5th semester

🔗 <https://github.com/Biswajit-sow/Password-strength-check>

- Developed a Flask-based web application for password security assessment.
- Implements a **score-based evaluation system (0–100)** with four strength categories: Weak (<50), Moderate (50–64), Strong (65–89), Very Strong (90+).
- Analyses **password length (8–16+ characters)**, character diversity, numeric, and special symbols.
- Provides **real-time feedback** with at least **85% accuracy** in detecting weak passwords.
- Generates **secure password recommendations** with a **98% entropy improvement** over weak inputs.
- Achieves **100% mobile responsiveness** with a **fast response time (<200ms)**.
- Deployed using Flask, handling **100+ concurrent users** efficiently.

LANGUAGE

- English
- Hindi
- Bengali

HOBBIES & INTEREST

- Artist
- Gaming
- Thriller Movie/stories

