Bakul Ahmed

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bakul.codes | Linkedin | Github

ABOUT ME

- Computer Science student skilled in Python, Java, and C++. Passionate about building clean, efficient solutions to real-world problems.

- Proven leader with experience organizing and leading tech events for 200+ participants through roles at IEEE and GUCC.

- Initiated a partnership with DataCamp to support open data education, providing free access to learning resources for 50+ students.

- Actively seeking a graduate scholarship to advance knowledge and conduct research in artificial intelligence and machine learning.

EDUCATION

Green University of Bangladesh   *September 2023 – Present (Expected Dec 2027)*
B.Sc. in CSE   *Dhaka, Bangladesh*

- CGPA: 3.96/4.00

- Relevant Coursework: Data Structures, Algorithms, Database Management Systems (DBMS), Object-Oriented Programming

TECHNICAL SKILLS

- **Languages:** Python, Java, C/C++, JavaScript, SQL

- **Frameworks & Tools:** React, Node.js, Linux, Git

- **Concepts:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Database Management Systems (DBMS)

PROJECTS

Library Management System   *Feb 2024 – Apr 2024*
Course Project: OOP   *Java, MySQL*

- Engineered a robust desktop application using Java to streamline library operations, centralizing the management of books, members, and loans.

- Designed and implemented a normalized MySQL database schema, ensuring data integrity and efficient data retrieval via JDBC.

- GitHub: github.com/BakulBd/Library-Management-System

Algorithms Visualizer *Sep 2024 – Dec 2024*
Course Project: Algorithm *JavaScript, React, D3.js*

- Developed a dynamic web-based visualization tool with React and D3.js to demystify complex sorting and tree algorithms for students.

- Engineered step-by-step animations and interactive user controls (e.g., play, pause, speed) to enhance user engagement and learning.

- GitHub: github.com/BakulBd/algorithms-visualizer

EXPERIENCE

Green University Computer Club (GUCC) *Mar 2025 – Present*
Joint Information Secretary & Web Developer *Green University*

- Act as the primary communication bridge between the CSE department and students, ensuring timely distribution of official notices.

- Lead front-end development for the club's website, implementing UI enhancements and new features to improve user experience.

- Manage and grow GUCC's social media presence, creating content and fostering engagement across a student community.

IEEE CS Student Branch *May 2025 – Present*
Volunteer Web Developer *Green University*

- Contribute to the maintenance and enhancement of the IEEE GUB Student Branch website, focusing on improving UI/UX and integrating new features.

CERTIFICATIONS & AWARDS

- Stanford University — Code in Place (Python, 2023)

- Competitive Programmer: Solved 100+ problems on Codeforces (Rating: 800+)

- Awarded academic scholarship in high school for outstanding results