Md Shahid Hasan

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EDUCATION

- **Green University of Bangladesh** — Dhaka, Bangladesh
  Bachelor of Science in Computer Science — *Jan 2019 – Dec 2024*

- **Agricultural University College** — Mymensingh, Bangladesh
  Higher Secondary School Certificate in Science — *July 2015 – Dec 2017*

PROJECTS

- **Bank Loan Prediction System [Link]:**
  - Developed a machine learning-based loan prediction system to assess customer eligibility for loans.
  - Built a Flask API to serve predictions, taking customer financial data as input and returning loan approval probabilities.
  - Trained and deployed a classification model using scikit-learn, leveraging features like income, credit history, and debt-to-income ratio.
  - **Technology:** Python, Flask, scikit-learn, Pandas, NumPy, RESTful APIs.

- **Task Management System [Link]:**
  - Developed a task management API with features such as task creation, deadlines, priorities, and notifications.
  - Implemented JWT-based user authentication to secure the application.
  - **Technology:** Go, Gin, PostgreSQL, RESTful APIs.

- **URL Shortener Service [Link]:**
  - Developed a URL shortener with APIs for shortening, redirection, and tracking URLs.
  - Tracked URL clicks with analytics including time, count, and geographical location data.
  - Built a simple frontend with HTML and CSS to display shortened URLs and track statistics.
  - **Technology:** Go, Gin, PostgreSQL, RESTful APIs, Redis (for caching).

PROBLEM SOLVING EXPERIENCE

- Solved **1500+** problems and participated in **100+** contests.
- **Codeforces:** Specialist (1458), **CodeChef:** Two-star (1547)
- **4 Times** ICPC Dhaka Regional Contestant (2020, 2021, 2022, 2023)
- **Contestant** at SUST IUPC 2022, AUST IUPC 2022, SEC IUJPC 2021, and **multiple** IUPCs
- **Champion** at GUB CSE Carnival (2020, 2021), **1st Runner-up** at GUB IDPC 2023, **2nd Runner-up** at GUB CSE Carnival 2024

HONORS AND ACHIEVEMENTS

- **Programming Mentor**: Green University of Bangladesh
  - Conducted sessions on Structured Programming, Data Structure and Algorithm, and Problem-solving

- **Problem Setter**: Green University of Bangladesh
  - Intra-Department Junior Programming Contest (2022)
  - Intra-Department Junior Programming Contest (2023)
  - A few online contests organized by Green University of Bangladesh

SKILLS

- **Programming Languages**: C/C++, Go, Python, Java, JavaScript, PHP
- **Frontend Development**: ReactJS, Bootstrap, CSS, HTML
- **Backend Development**: Gin (Golang), RESTful API
- **Database Technologies**: MySQL, PostgreSQL
- **Version Control**: Git, GitHub
- **Tools**: Postman, Docker, VirtualBox, VMware, WSL
- **Operating Systems**: Windows, Linux (Shell Scripting, Troubleshooting, Automation)
- **Problem-Solving**: Data Structures and Algorithms
- **CS Concepts**: Operating Systems, OOP and Design Patterns, Networking