

# Jahidul Islam

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🔗 Portfolio in jahidulzaid 🌐 jahidulzaid

## Professional Summary

Final-year Computer Science student at Green University of Bangladesh with hands-on experience in full-stack web development (PHP with Laravel), AI, and RAG-based research. Proficient in C++, Java, Python - Django, and system design. Passionate about solving real-world problems and contributing to impactful tech solutions. Open to backend, AI research, or software engineering roles.

## Career Objective

To pursue professional growth in a reputed organization where I can contribute effectively in both individual and collaborative roles. I aim to utilize my technical skills, creativity, and problem-solving mindset to deliver results and support the organization's goals.

## Education

### B.Sc. in Computer Science and Engineering

(Expected Jan 2026)

Green University of Bangladesh

- CGPA: 3.52/4.00 (8th Semester Completed)

## Thesis & Research

### Optimizing Retrieval-Augmented Generation (RAG) Models

Researching RAG model optimizations for knowledge graphs, focusing on improved retrieval pipelines and embeddings to enhance temporal reasoning and answer accuracy. Supervised by **Professor Dr. Md. Saiful Azad** 📧, Dean, Faculty of Science and Engineering (FSE), Green University of Bangladesh.

## Experience

### Organizing Secretary

(2025 – Present)

IEEE CSB Chapter, Green University of Bangladesh

- Lead planning and execution of technical events, workshops, and seminars to engage the student community.
- Coordinate with executive members to ensure smooth event operations and active member participation.

### Membership Development Coordinator

(2024 – 2025)

IEEE Student Branch, Green University of Bangladesh

- Managed membership recruitment and retention initiatives, increasing active participation.
- Developed strategies to promote IEEE activities and attract new members.

### Assistant Marriage Registrar & Kazi

(2021 – 2024)

Office Daudkandi Pourashava (4, 5 & 6 Ward), Daudkandi, Cumilla

- Assisted in official document processing related to marriage registration.
- Maintained accurate marriage registers and records. Supported various administrative and legal formalities related to matrimonial affairs.

## Skills

**Programming :** C++, Java, Python, PHP, SQL (MySQL), HTML, CSS, JavaScript

**Framework:** PHP with Laravel Framework, Python(Django), LangChain, DSPy

**Data Science & ML:** NumPy, Pandas, Scikit-learn, Data Cleaning, Data Preprocessing, Feature Engineering, Machine Learning Algorithms,

**Deep Learning & AI:**Transformer Models, Generative AI, RAG, Knowledge Graphs, AI Agents, MCP

**Version Control:** Git, GitHub

**Soft Skills:** Strong Communication, Team Collaboration, Leadership, Time Management, Problem Solving, Adaptability, Accountability

## Projects

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### CodeCraft-Academy (Learning Platform)

[github.com/jahidulzaid/CodeCraft-Academy](https://github.com/jahidulzaid/CodeCraft-Academy) 

- Laravel-based platform for interactive programming learning
- Role-based access, quiz system, progress tracking
- Multi-language course support with Online Judge

### MiniShop

[github.com/jahidulzaid/Mini-Shop](https://github.com/jahidulzaid/Mini-Shop) 


- Simple e-commerce platform with cart, admin, and login system
- Built using PHP (no framework), MySQL, HTML, CSS, JS

### Advanced E-Commerce Online SuperShop

[github.com/jahidulzaid/Advance-Online-SuperShop](https://github.com/jahidulzaid/Advance-Online-SuperShop) 

- Responsive Laravel-based e-commerce platform
- Features: user login, cart, orders, admin panel
- Implemented secure routing and dynamic content rendering

### Intrusion Detection System (IDS)

[github.com/jahidulzaid/IDS-with-CLI-for-any-Datasets](https://github.com/jahidulzaid/IDS-with-CLI-for-any-Datasets) 

- CLI-based Python project using machine learning
- Detects anomalies in datasets with CSV parsing and rule-matching

### Multi-Client ChatApp

[github.com/jahidulzaid/Multi-ClientChatApp](https://github.com/jahidulzaid/Multi-ClientChatApp) 

- Java Swing desktop app using sockets and multithreading
- Real-time client-server messaging

### CLI-Based Search Engine

[github.com/jahidulzaid/CLI-Search-Engine](https://github.com/jahidulzaid/CLI-Search-Engine) 

- C++ implementation using Trie and Hashing
- Supports prefix, exact, and KMP substring search

### JMP ChatBot (Bilingual AI Chatbot)

[Link](#) 

- Built with Python, LangChain, Gemini API, and Streamlit
- Answers sanitation-related queries in Bangla and English

## Training & Certifications

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- Certificate — Python with Django (EDGE - ICT Division)
- Certificate — PHP with Laravel (BASIS-BITM)
- IEEE Membership (2024, 2025)
- 1st Runner-Up — IT Olympiad, GUB CSE Carnival 2024

## Extracurricular Activities

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Active competitive programmer, event organizer (IEEE GUB, CSE Carnival 2024, STI 2024), attended national/international webinars, coding contests, and workshops.