

# Labony Sur

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 labony-sur |  labonysur-cloud |  Portfolio

## EDUCATION

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

*Daffodil International University*

- **CGPA:** 3.09 out of 4.00 (Current)

Expected May 2027

*Dhaka, Bangladesh*

### Higher Secondary Certificate (HSC)

*Science Group*

- **GPA:** 4.44 out of 5.00

2023

*Dhaka, Bangladesh*

### Secondary School Certificate (SSC)

*Science Group*

- **GPA:** 4.89 out of 5.00

2021

*Dhaka, Bangladesh*

## INDUSTRY EXPERIENCE

### Campus Ambassador

*Upay*

Jan 2026 – Present

*Dhaka, Bangladesh*

- Facilitating industry-academia collaboration and organizing corporate visits to bridge the gap between students and the fintech industry.
- Volunteering at campus job fairs to drive user acquisition and brand awareness for Upay services.
- Awarded certificate for active participation in industrial visits and leadership activities.

## RESEARCH EXPERIENCE

### Undergraduate Researcher

*NLP Lab, DIU*

Jan 2026 – Present

*Dhaka, Bangladesh*

- **Title:** Green-AI: Design and Evaluation of a CPU-Optimized Modular Architecture for Data-Efficient Multimodal Reasoning and Retrieval-Augmented Generation in Low-Resource Environments.
- Investigating methods to reduce computational overhead for multimodal reasoning on consumer-grade CPUs.
- Designing modular architectures to enable efficient RAG implementation in resource-constrained settings.

## PROJECTS

### Linkiee (AI Content Generator)

*Python, Hugging Face, Gradio*

- Developed an AI-powered LinkedIn content generator by fine-tuning **TinyLlama-1.1B** (English) and **MGPT** (Bengali) on 500+ custom samples.
- Built an interactive frontend using Gradio and deployed via Google Colab for easy accessibility.

### Kawaii Painter (AI Art Generator)

*JavaScript, Stable Diffusion API*

- Built a text-to-image generator using the Pollinations.ai (Stable Diffusion) API to create kawaii-style art from prompts.
- Designed a responsive "Matcha-themed" UI with downloadable PNG output functionality.
- Technologies used: HTML, Tailwind CSS, Vanilla JavaScript.

### Kothao.2 (Compiler Design)

*C, Flex, Bison*

- Engineered a custom programming language using Banglish keywords (e.g., *purno=int*).
- Built a register-based Virtual Machine (VM) and custom compiler with Flex and Bison.
- Implemented 12 type conversion functions, standard libraries, and a web-based IDE with syntax highlighting.

### The Cat's Social

*React, Next.js, Appwrite*

- Created a social media platform for pet lovers featuring a "neubrutalist" design aesthetic.
- Implemented full user profiles, infinite scroll feeds, real-time interaction, and secure authentication.

### Case011 (OSINT Investigation)

*JavaScript, Retro UI, API Integration*

- Developed an immersive investigation platform with a Retro CRT-style UI and live OSINT scraping from the Wikipedia API.

- Features 66+ pre-seeded cases, a local achievement system, and a completely dependency-free Vanilla JS architecture.

## SKILLS

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- **Languages:** Python, C, C++, PHP, JavaScript, TypeScript, HTML5, CSS3.
- **AI & ML:** Hugging Face Transformers, Stable Diffusion API, Fine-tuning (TinyLlama), RAG.
- **Web & Tools:** React, Next.js, Flex/Bison, MySQL, Git, LaTeX, Gradio.