



Rahimanid Dian Purno

DIPLOMA ENGINEERING STUDENT

Aspiring AI Developer

CONTACT

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LOCATION

Barishal, Bangladesh

PORTFOLIO

rdpurno.vercel.app

GITHUB

github.com/RDPURNO26

LINKEDIN

linkedin.com/in/rdpurno26

SKILLS

PROGRAMMING

Python ★★★

Java ★★

JavaScript ★★

HTML/CSS ★★

LIBRARIES & FRAMEWORKS

(Worked with & Learning further)

MediaPipe

OpenCV

Tkinter

PyQt6

React

Firebase

Java Swing

MySQL

HARDWARE & IOT

(Worked with & Learning further)

Arduino

NodeMCU

I2C / TX-RX

DHT11

Sinric Pro

PC Assembly

AI ORCHESTRATION & TOOLS

Ollama

Gemma (local)

Prompt Eng.

Multi-LLM

Git / GitHub

Vercel

VS Code

DESIGN (ADVANCED)

Illustrator

Photoshop

UI/UX Design

LANGUAGES

Bengali

Native

English

Proficient

Japanese

Beginner (N4 target)

JLPT N4 exam — July 2026

INTERESTS

- Artificial Intelligence
- Human-Computer Interaction
- Innovative & Imaginative Concepting
- Japanese Language & Culture
- Robotics

Final-semester Diploma Engineering student (CST) who enjoys building real things — from gesture-based PC control to IoT systems and web apps. Self-taught in Python, MediaPipe, and Firebase. Currently studying Machine Learning fundamentals. Seeking an industrial attachment to gain practical AI/ML experience.

EDUCATION

Diploma in Engineering — Computer Science & Technology

2023 – 2026 (Expected)

Barishal Polytechnic Institute · Barishal, Bangladesh

7th Semester (Final Theory) | Roll: 743716

Secondary School Certificate (SSC) — Computer Science & Technology

2020 – 2022

Technical School & College · Barishal, Bangladesh

GPA: 4.82 / 5.00

PROJECTS

AURA — Gesture Control System

github.com/RDPURNO26/AURA_repo

Python · MediaPipe · OpenCV · Tkinter · Win32 API · Multiprocessing

- Controls a PC entirely via webcam — 11 gestures (cursor, click, scroll, zoom, voice typing), runs offline, compiled to .exe.
- Recognized by Chief Instructor as outstanding; recommended for best internship placement in the cohort.

JLPT Samurai — Japanese Learning Platform

rdpurno26.github.io/JLPT-Samurai

Vanilla JS · HTML5 · CSS3 · Firebase · Web Speech API

- N5/N4 study platform with Kana Dojo, 3D flashcards, Spaced Repetition System, and time-attack quizzes.
- Firebase cloud sync; built from scratch for personal daily use.

Smart Home Automation & Emergency Response

github.com/RDPURNO26/Smart-Home

NodeMCU · Arduino · I2C · TX/RX · DHT11 · Sinric Pro

- Dual-microcontroller home automation with Alexa/Google Home voice control.
- Offline safety pipeline: fire detection, gas monitoring, and emergency door unlock — no WiFi needed.

UniLib — University Resource Platform

github.com/RDPURNO26/UniLib

React · Vite · Tailwind CSS · JavaScript

- Web app for routines, results, teacher guides, and resources — built for real student use.
- Won class project competition on design and UX, beating teams with full back-end implementations.

CERTIFICATIONS

Front-End Web Development (React · Node.js · Vue.js · Angular.js)

Oct 2024

ACHIEVEMENTS

- ★ AURA recommended by Chief Instructor for best internship placement — recognized as outstanding diploma project.
- ★ UniLib won class project competition on UI/UX design against teams with back-end implementations.
- ★ Independently built and shipped 4 real projects during diploma — not tutorial clones.
- ★ Self-taught in Python, MediaPipe, Firebase, IoT, and local AI orchestration (Ollama/Gemma).

GOAL

Seeking an **industrial attachment in an AI/ML or software environment** to learn from real projects. After completing my diploma (2026), I aim to pursue a **BSc in AI in Japan**. Currently studying ML fundamentals and working toward **JLPT N4 (July 2026)** as a step toward that goal.