

ARGHYA DAS

Computer Science & Engineering Undergraduate • AI & Automation Enthusiast

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PROFESSIONAL SUMMARY

Computer Science & Engineering undergraduate at American International University–Bangladesh (CGPA: 3.53/4.00) with hands-on experience developing Python applications, automation tools, and data-driven solutions using Pandas, NumPy, and basic OpenCV. Experienced in academic electrical and embedded systems projects, with a strong interest in artificial intelligence, machine learning, and computer vision. Quick to learn new technologies, apply concepts from technical documentation, and solve problems through structured, logical workflows. Seeking to apply my Python, AI, and embedded systems knowledge to real-world electrical safety and compliance automation while continuing to grow as an AI engineer.

EDUCATION

Bachelor of Science in Computer Science & Engineering

Ongoing

American International University Bangladesh (AIUB), Dhaka — CGPA: 3.53 / 4.00

TECHNICAL SKILLS

- Programming & Scripting:** Python, JavaScript, C#, HTML/CSS
- Data & AI/ML:** Pandas, NumPy, OpenCV (Basic), Prompt Engineering, API Integration
- Tools & Platforms:** Git & GitHub, Tkinter, REST APIs, Excel/CSV, Figma, Canva
- Electrical & Hardware:** Circuit design fundamentals, sensor-based systems, embedded prototyping

RELEVANT TECHNICAL PROJECTS

Weather App

Python · REST API

- Built a Python command-line application that consumes REST APIs, parses JSON responses, validates data, and presents weather information in a structured format.

Expense Tracker

Python · CSV · File I/O

- Developed a CLI application to log, categorize, and summarize daily expenses into monthly CSV reports, reinforcing structured data handling and file-based recordkeeping.

Eat That Frog — Task Prioritizer

Python · CLI

- Created a productivity tool based on Brian Tracy's prioritization method, applying decision-making logic to help users identify and act on their highest-value task first.

ACADEMIC & HARDWARE PROJECTS

Smart Solar Panel Management System

Electrical · Embedded Systems

- Designed an academic project to monitor solar panel performance by integrating sensors, electrical monitoring, and automated control logic for efficient system management.

Water Level Indicator

Electrical · Sensor Circuit

- Built a sensor-based circuit that detects and signals water levels, gaining hands-on exposure to safety-triggered, threshold-based electrical systems.

Audio Amplifier

Electrical · Analog Circuit Design

- Designed and assembled an analog amplifier circuit, strengthening practical understanding of electrical components, wiring, and signal behavior.

ACHIEVEMENTS & CERTIFICATIONS

- AI Fluency: Framework & Foundations** — Anthropic
- AI Fluency for Students** — Anthropic
- Claude Code 101** — Anthropic
- Introduction to Claude Cowork** — Anthropic
- ChatGPT for Everyone** — Completed October 2025

ADDITIONAL INFORMATION

- Languages:** Bengali (Native), English (Fluent, professional working proficiency)
- Interests:** Artificial Intelligence, Computer Vision, Embedded Systems, automation
- Availability:** Open to internship opportunities in Dhaka