EKANTA BANIK (DURJOY)

AI/ML Engineer

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CAREER OBJECTIVE

Recent CSE graduate with hands-on experience building AI-powered applications using Large Language Models, Generative AI, and Agentic AI systems. Passionate about designing intelligent automation pipelines, LLM-driven agents, and computer vision solutions. Seeking an entry-level role as an AI/ML Engineer, AI Automation Engineer, or GenAI Developer to contribute to impactful, intelligent software products.

PROJECTS

Virtual Try-On System
Live Demo: *https://ekantabanik-virtual-try-on.hf.space* | *GitHub*: *https://github.com/Ekaanta/Virtual-Try-On-System*
AI-powered clothing virtual try-on app using Stable Diffusion Inpainting. Users upload a photo and describe clothing via text prompt; the system generates a realistic try-on result using GrabCut body segmentation and diffusion-based inpainting.
Tech: *Python*, *Stable Diffusion* (*runwayml*), *Diffusers*, *OpenCV*, *Gradio*, *HuggingFace Spaces*, *NumPy*, *PIL*

Client Requirement Analyzer Agent
Live: *https://client-requirement-analyzer-agent.vercel.app/* | *GitHub*: *https://github.com/Ekaanta/Client-Requirement-Analyzer-Agent*
Built an agentic AI system that intelligently analyzes client-provided documents and extracts structured business requirements. Leverages LLMs for deep document understanding, automated requirement classification, and natural language report generation, streamlining the discovery phase for software projects.
Tech: Python, LLM, LangChain, Prompt Engineering, NLP, Document AI, Vercel, REST API

N8N AI Model Automation
GitHub: *https://github.com/Ekaanta/N8N_AI-MODEL*
Designed and implemented multi-step AI automation workflows using N8N, orchestrating LLM agents, external APIs, and data pipelines. The system demonstrates agentic task delegation, conditional branching, and intelligent process automation across heterogeneous services. **Tech**: N8N, LLM Integration, Agentic AI, API Orchestration, Workflow Automation, Python

Real-Time Cheat Detection System for Online Exams
https://github.com/Ekaanta/Ai_Project-Real-time-cheat-detection-system-exam
Developed an AI-powered real-time exam cheat detection system using YOLOv8 and Computer Vision techniques. Collected and annotated custom datasets using Roboflow, trained an object detection model, and performed real-time video analysis to identify suspicious exam activities. . **Tech:** Roboflow, Matplotlib, OpenCV, Object Detection, Computer Vision

EXPERIENCE

Betupia Group 01/2025 – Present
Jr. SQA Engineer Gulshan-1, Dhaka.
Managed and supported projects related to retail and consumer-based software solutions. Coordinated with teams to ensure smooth execution, tracked progress, and helped deliver solutions aligned with business and customer needs.Conducted functional, regression, and smoke testing on web applications.
- Used Postman for API validation and automated API test.

Pureit 03/2022 – 09/2024
Trainee Project Coordinator Mohakhali DOHS, Dhaka.
Assisted in managing project activities, tracking deliverables, and coordinating with team members. Contributed to ensuring smooth execution and timely completion of project tasks.

SKILLS

Programming Languages
- Python
- JavaScript

AI Specializations
- Computer Vision
- Natural Language Processing (NLP)
- LLM Applications
- Generative AI

Backend Development
- Node.js

AI Engineering & Automation
- LangChain
- N8N Automation
- API Integration

AI Engineering & Automation
- Machine Learning
- Generative AI
- Agentic AI Systems
- LLM Applications

Tools & Technologies
- REST APIs
- Docker (Basic)

EDUCATION

Canadian University of Bangladesh 08/2022 – 05/2026
Bachelor of Science in Computer Science and Engineering Marul-Badda, Dhaka, Bangladesh

Institute of Computer Science and Technology 2018 – 2022
Diploma in Computer Science Feni Sadar, Feni, Bangladesh