

Arafat Hos sain Ankon

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Career Objective

I'm a dedicated AI enthusiast with hands-on experience in building intelligent solutions using **Transformer models**, **LangChain**, and **LLMs**. Quick to adapt and detail-oriented, I stay up to date with the latest advancements in NLP, machine learning, and deep learning. Proficient in **Python**, **SQL**, **Pandas**, and **NumPy**, with additional skills in Power BI for data-driven insights. My vision is to develop impactful AI tools that solve real-world challenges and create lasting value.

EDUCATION

2021 – 2025	DAFFODIL INTERNATIONAL UNIVERSITY (DIU) Bachelor of Science in Software Engineering (Major in Data Science) CGPA: 3.92 out of 4.00
2020	Milestone College Higher Secondary School Certificate (H.S.C) GPA: 5.00 out of 5.00
2018	Rani Bilas Moni GOVT. Boys HIGH SCHOOL Secondary School Certificate (S.S.C) GPA: 5.00 out of 5.00

Projects

06/2025	CV-Tutor – AI-Powered Resume & Job Application Assistant  Github A smart web application that streamlines the job application process using generative AI . Users can upload their resume and a job description to receive personalized suggestions for improving skills, project alignment, and keyword optimization. Key features include automatic cover letter generation, AI-based email drafting, interview question generation, and resume- to-JD match analysis. It is powered by the Google Gemini API for intelligent text generation and context-aware recommendations. Built with Python (Flask) on the backend and HTML, CSS, JavaScript on the frontend , the platform delivers a responsive and user-friendly experience. Designed with scalability and user feedback in mind, CV-Tutor leverages modern NLP techniques to assist job seekers with precision and ease.
04/2024	SmartSpend – Personal Finance Management System  Github Developed an AI-driven personal finance application using FastAPI (Python) and Firebase Authentication . Integrated Google Gemini AI via LangChain to provide users with insightful, AI-powered financial analysis, including transaction categorization and spending recommendations. Leveraged natural language processing to allow users to add transactions and track expenses using simple text . Designed a responsive UI for seamless mobile and web experiences, enabling real-time balance updates and personalized financial insights .

03/2025

AskRemedy — AI-Powered Health Assistant [Github](#)

Developed a web-based **AI assistant** that suggests **expected symptoms** and predicts potential diseases from user-described symptoms using **Gemini API, LangChain, and RAG** (Retrieval-Augmented Generation). Designed with **Flask and integrated** a clean frontend (HTML, CSS, JS) to deliver real-time, treatment-focused health responses. Enhanced the system's accuracy and reliability by integrating external medical data sources, enabling context-aware and user-friendly health guidance.

Technologies: Flask, Python, Gemini API, LangChain, RAG, HTML, CSS, JavaScript

02/2025

Mail Mentor — Smart Email Reply Generator [Github](#)

Developed a **full-stack web application** using Google **Generative AI (Gemini 1.5 Flash)** to generate context-aware, tone-specific email replies (Professional, Casual, Friendly). Integrated **SMTP functionality** with Gmail to enable direct email delivery from the interface. Key features include editable **AI-generated responses**, automatic subject line extraction, loading animations, and a responsive landing page for user onboarding.

Technologies: FastAPI, Google Generative AI (Gemini), JavaScript, HTML, CSS, SMTP.

TECHNICAL SKILLS

Languages	Data Science & Analysis	ML & AI	BI Tools
Python, SQL HTML, CSS	Pandas, NumPy, Matplotlib, Hugging face	LangChain, Pipecat, RAG, LangGraph	Power BI

ACHIEVEMENTS



Finalist, DIU 3 Minute Thesis Competition, 2025



Achieved a CGPA of 4.00/4.00 for three consecutive semesters in the Bachelor of Science in Software Engineering program.

HOBBIES

- Hiking
- Travelling
- Volunteering

REFERENCES

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