Arafat Hossain Ankon

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<u>1</u> Joydebpur, Gazipur, Dhaka

| ∂Ankon-Portfolio



Career Objective

Driven and detail-oriented AI Engineer and Data Science aspirant with hands-on experience in extracting actionable insights from complex datasets, building predictive models, and designing intelligent systems. Proficient in Python, SQL, and core data analysis libraries such as Pandas and NumPy. Skilled in developing and deploying AI agents using frameworks like LangChain and Gemini APIs, with a solid foundation in machine learning, deep learning, and the business intelligence tools like Power BI. Passionate about leveraging artificial intelligence to build smart solutions that solve real-world problems, enhance user experiences, and drive innovation.

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 - Al-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 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 resumeto-JD match analysis. Powered by 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.

05/2025 AskRemedy — Al-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 Al-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.

07/2024

E-Commerce Sales & Customer Analysis Using Power Bi (Github

Analyzed a telecom dataset of 7,043 records to identify key churn drivers and improve retention strategies. Used Pandas for data cleaning and Matplotlib and Seaborn for exploratory analysis. Found a 26.54% churn rate, with senior citizens 41.7% more likely to churn. Customers with fiber optic internet and month-to-month contracts showed higher churn risk. Demonstrated strong analytical skills and the ability to extract actionable insights from

TECHNICAL SKILLS

| | Languages | Data Science & Analysis | ML & AI | BI Tools |
|-------------------|--------------------------|--|--|------------------------|
| Highly Proficient | Python, SQL HTML, CSS | Pandas, NumPy, Matplotlib, Seaborn | Scikit-learn, FastAPI, RAG | Power Bl |
| Proficient | JavaScript | Jupyter Notebook, Google Colab | Google Gemini API, LLMs, LangChain | Matplotlib, Seaborn |
| Familiar | Dart | SPSS | Agentic Al | Tableau |

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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