MD. ISHTIUK AHAMMED

I am an **AI Engineer** with expertise in developing and deploying AI solutions, including NLP, Computer Vision, and Generative AI. Skilled in building scalable applications and integrating LLMs with MLOps, I focus on automating complex tasks and optimizing workflows. With a strong background in AI model training, deployment, and data processing, I'm eager to contribute to innovative AI projects and advance my expertise.

SKILLS SUMMARY

- Natural Language Processing
- Generative AI
- Computer Vision
- Machine Learning
- Deep Learning
- Data Analysis
- MLOps
- Python
- Power BI, Matplotlib, Seaborn
- HTML5, CSS3, Tailwind CSS, JS, Flask

EXPERIENCES

- **AI Engineer**

  NeuralFrameAI
  Dhaka, Bangladesh
  Oct 2024 - Present

- **Machine Learning Intern**

  NeuralFrameAI
  Dhaka, Bangladesh
  May 2024 - Aug 2024

- **Machine Learning Intern**

  Mentorness
  Gujarat, India
  May 2024 - Jun 2024

ACHIEVEMENTS

- Finalist on **IIT Datathon ITverse - 2023**
- Finalist on **Code Samurai 2024 Hackthon**

Contact

- +8801840021060
- ishtiuk2077@gmail.com
- Bhuyain Mansion, Arambag, Feni-3900, Bangladesh

PROJECTS

Employee Registration Automation System

- Extracts and verifies information from ID cards and photos.
- Extracts text data from ID card images.
- Identifies key details like name, job position, and Date of Birth.
- Confirms identity by comparing ID card and uploaded photo.
- Checks for existing entries to avoid duplicates.
- **Project link:** Github URL

Automatic Face Recognition Attendance System (FACE SENSE)

- Recognize multiple faces at a time using Computer Vision
- Real-time data update on DAtabase & CSV of the person (e.g. student, employee)
- Real-time info display on web UI
- **Project link:** Github URL

Voice Emotion Detector (DeepEmo)

- Capture the client's emotion using audio
- Trained on 11,200 audio clips
- **Project link:** Github URL

Information Extraction System

- Utilized generative AI.
- Developed an AI model to extract key info from travel blogs using LLMs.
- Scraped data from blogs, social media, and YouTube via APIs.
- Built a Streamlit UI for easy data input and extraction, with customizable settings.
- Evaluated and optimized models for accuracy; fallback with Hugging Face Transformers if necessary.
- Extract information will be displayed in JSON format.

Laptop Price Prediction 2023

- Web scraped real-time 2023 market data.
- Impressive model accuracy in real-time market.
- **Project link:** Github URL

EDUCATION

Compact Polytechnic Institute
Diploma in Computer Science & Technology
2020-2024

VOLUNTEERING

- Compact Blood Donation Club
- Compact IT Club
- Wadhwani Foundation

CERTIFICATIONS

- PCAP   Programming
  Essentials in Python
  OpenEDG Python Institute, Cisco,
  Apr 2022 - Jun 2022

- Google IT Automation
  Google, Coursera
  Jan 2022 - Mar 2022

- Problem   Solving
  (Intermediate)
  HackerRank
  Dec 2022

Bengali to IPA translation
- English alphanumeric and URL cleaning
- Converts any length of Bengali numerals to word
- Generates accurate IPA sentences including punctuation
- **Project link:** Kaggle URL

Olympic Analytics
- Olympic Analytics, powered by Streamlit and Python modules, provides comprehensive insights across 120 years of Olympic data.
- **Project link:** Github URL

E-commerce Sales Analytics
- Analyzed e-commerce sales data with Power BI, delivering actionable insights.
- Utilized Power BI for e-commerce analysis, extracting key metrics for informed decisions.
- **Project link:** Github URL

WORK SAMPLES

- **Github**: https://github.com/ishtiuk
- **Portfolio**: https://ishtiukahammed.netlify.app
- **LinkedIn**: ishtiukahammed