ROKSANA AKTER

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 Roksana Akter | Roksana18cse04 | Roksana Akter

Mohakhali, Dhaka - 1212, Bangladesh

Objective

Seeking a challenging position in Artificial Intelligence and Machine Learning to leverage my expertise in data science, deep learning, and computer vision. Aiming to contribute to innovative projects at the intersection of intelligent automation and practical problem-solving in fields such as natural language processing, predictive analytics, and generative AI.

Experience

- **Betopia Group [⊕]** *5 March 2025 - Present*
  AI Engineer Dhaka, Bangladesh
  - **INPREP** [Web] – Spearheaded development of an AI-driven mock interview platform, leveraging NLP and predictive scoring to enhance candidate preparation.
  - **AI Color Matching** [GitHub] – Engineered a hair extension color matching system, improving accuracy and user satisfaction.
  - **Supermarket Template Generator** [GitHub] – Automated product promo leaflet creation, reducing design time by 60%.
  - **NFL/MLB Analytics Predictor** [GitHub] – Developed predictive models using multi-source sports data for live performance insights.
  - **HermoniAI Multi-Agent System** [GitHub] – Built a collaborative AI system integrating voice, vision, and data workflows.
  - **Team Leadership** – Guided 25+ AI/ML projects, providing technical direction, code reviews, and performance optimization strategies to ensure project success.

Skills

- **Data Science & ML:** PyTorch, TensorFlow, Hugging Face Transformers, Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib, Seaborn
- **AI Specializations:** Computer Vision, NLP, LLMs, Generative AI, Multi-Agent Systems
- **Research & Analytical Skills:** Feature Engineering, Model Evaluation, Hyperparameter Tuning, Data Visualization, Experimentation, Benchmarking
- **Programming Languages:** Python, C++, SQL, Bash, JavaScript
- **Web & Deployment:** FastAPI, Flask, React, Docker, Docker Compose, Nginx, Vercel, Render
- **Cloud & Hosting:** AWS, Google Cloud, Paperspace, Namecheap, GoDaddy
- **Version Control & DevOps:** Git, GitHub, CI/CD, Kubernetes (basic)
- **Mathematical & Statistical Tools:** Linear Algebra, Probability, Statistics, Optimization, Data Analysis
- **Other Tools & Technologies:** Stable Diffusion, AnimateDiff, MusicGen, Pydub, OpenAI API

Education

- **Gopalganj Science and Technology University** *Jan 2019 – Dec 2024*
  B.Sc in Computer Science and Engineering Gopalganj, Bangladesh
  - **CGPA:** 3.25 / 4.00

- **Bhawal Bodre Alam Government College** *Apr 2018*
  Higher Secondary Certificate (HSC) Gazipur, Bangladesh
  - **GPA:** 3.83 / 5.00

- **Johura Khatun Girls High School** *Feb 2016*
  Secondary School Certificate (SSC) Mymensingh, Bangladesh
  - **GPA:** 4.89 / 5.00