

Debashish Roy
AI & NLP Engineer
Kolkata, India

[Email](#) | [Phone](#)

[GitHub](#) | [Linkedin](#) | [Hugging Face](#)

Graduate Computer Science student specializing in NLP, Transformers, and Large Language Models. Experienced in building custom tokenizers, GPT-style language models, and multilingual AI pipelines using PyTorch and Hugging Face. Interested in efficient AI systems for low-resource environments.

Skills:

- Languages: Python, Java, C, C++, JavaScript, SQL
- Framework: Next.js, Node.js
- AI/ML: PyTorch, Transformers, NLP, LLMs
- Tools: Git, Hugging Face, Colab, Docker
- Data: NumPy, Pandas, Matplotlib, Seaborn
- Networking: MikroTik, Cisco, ISP Management
- OS: Windows, Linux, macOS

Projects:

- Bengali GPT Language Model - Python, PyTorch, Transformers
- Banglish Transliteration System - Python, NLP
- Conversational AI System - Python, Transformers

Experiences / Research:

- Independent AI Developer | 2025 – Present
- Built and deployed AI demos using Hugging Face Spaces.
- Worked on multilingual NLP and Transformer optimization projects.
- Experimented with low-resource LLM architectures and tokenization.

Education:

- B.Sc. in Computer Science & Engineering
Daffodil International University | 2025
- M.Tech in CSE (Ongoing)
CGC University Mohali

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