Harshit Dhar

+91 7017046338 | harshitdhar717@gmail.com | linkedin.com/in/harshitdhar | github.com/harshitdhar9

EDUCATION

Bennett University   Greater Noida, UP
Bachelor of Technology in Computer Science   *Aug. 2023 – May 2027*
Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems,
Object-Oriented Programming, Machine Learning

TECHNICAL SKILLS

Languages: Python, C++ , SQL
Frameworks: TensorFlow, Keras, PyTorch (basic), Hugging Face (Transformers), LangChain (basic), Pandas, NumPy,
Matplotlib, scikit-learn
Databases: MySQL
Machine Learning & AI Concepts: CNNs, Model Evaluation, Cross-Validation, NLP, Fine-tuning
Tools: Git, Streamlit, VS Code

PROJECTS

IntentForge   Github   March 2026
- *Tech:* Python, FastAPI, Amazon Nova Lite 2, Amazon Polly, Next.js
- Built an AI web application that generates content based on user-defined intent, tone, audience, and prompts
- Developed FastAPI backend to handle requests and integrate generation using Amazon Nova Lite 2
- Integrated Amazon Polly to convert generated text into speech for audio output
- Implemented Next.js frontend for user input and real-time content generation

Medical Text Simplification with T5 Transformers   Github   Jan 2026 – Feb 2026
- *Tech:* Python, PyTorch, Hugging Face Transformers
- Fine-tuned T5-small and T5-base models on the Med-EASi dataset (1,979 expert–simple pairs covering 4,478 UMLS concepts) for supervised medical text simplification
- Achieved best validation loss of 1.0897 (T5-base) compared to 1.1250 (T5-small) through checkpoint selection and training stability analysis
- Reduced readability by ~2 grade levels (FKGL, ARI) via cascaded T5-base $\rightarrow$ FLAN inference while preserving clinical meaning
- Deployed interactive demo on Hugging Face Spaces enabling real-time inference for patient-level medical text simplification

Ferwine Discord Bot   Github   Jun 2025 – Present
- *Tech:* Python, discord.py, REST APIs, Gemini 2.5 Flash
- Developed an AI-powered Discord bot to summarize and extract insights from topic-based conversations using Gemini 2.5 Flash
- Engineered moderation system including kick, ban, and role management with structured permission handling
- Integrated external APIs for dynamic responses and automated workflows within Discord servers
- Designed scalable modular architecture with asynchronous event handling for efficient multi-feature execution

CERTIFICATIONS

- ServiceNow Certified System Administrator (CSA) *(In Progress)*   Mar 2026
- DeepLearning.AI – Retrieval Augmented Generation (RAG)   Feb 2026
- NVIDIA Deep Learning Institute – Accelerated Computing in Modern CUDA C++   Nov 2025
- Database Management Essentials (with Honors) – University of Colorado Boulder   Aug 2024