Navaneeth Gowda T

Artificial Intelligence Engineer
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HackerRank | **GitHub** | **Linkedin** | **LeetCode** | **CodeForces**

Education

Don Bosco Institute of Technology — Bengaluru, India
(Artificial Intelligence & Data Science) B.E — Dec 2021 - May 2025
CGPA: 9.4

Experience

Datatobiz | **AI Intern** — Remote/Bengaluru, India | June 2025 - November 2025

- Developed Universal Import/Export Framework: Built a flexible import/export pipeline enabling question papers of any format to be converted into quiz-compatible, downloadable formats with 75- 80% structural preservation, reducing manual cleanup work for educators by ~50%.
- Automated Context-Aware Question Set Generation: Architected a pipeline to extract MCQs, True/False, Fill-ups, and Descriptive questions and generate 3 alternate contextually equivalent sets, increasing content variety by 3x and cutting educator prep time by ~60%.
- Engineered YouTube Quiz Generation Solution: Designed a robust workflow to generate quizzes from YouTube videos using Python libraries, STT pipelines, and advanced anti-bot bypass strategies (Tor proxy, rotating IPs, user-agent spooning), restoring platform functionality and enabling 100+ video-based quizzes/week without disruption.
- Elevated Question Quality Standards: Incorporated iterative user feedback loops to align generated questions with university-approved standards, increasing academic institution adoption by ~25% and reducing complaint tickets by 40%.
- Restructured Backend Repository: Refactored the entire backend codebase for clarity, modularity, and performance, cutting new developer onboarding time from 2 weeks to 3 days and improving feature deployment speed by ~30%.
- Deployment & Server Management: Skilled in deploying backend features to cloud production servers via SSH/Putty, ensuring zero downtime, fast time-to-production, and reliable end-user access.

Wish Grantars INC | **AI Research Intern** — Remote/Bengaluru, India | Sept 2024 - Nov 2024

- Developed an AI-powered Character Generation & Tagging Pipeline using Tag2Text and Stable Diffusion, boosting tag relevance accuracy to 88% and reducing manual image tagging effort by 70%.
- Designed and deployed a customizable image-to-image generation platform with 12+ dynamic controls, achieving over 85% user-rated alignment between prompts and outputs.
- Improved the efficiency of user workflows by enabling real-time generation and automated tagging, resulting in a 40% reduction in trial-and-error iterations for creative tasks.
- Collaborated across teams to implement style, theme, and prompt customization features, elevating product capability and user satisfaction for diverse AI-driven content projects.

Intel Corporation | **AI Intern** — Remote/Bengaluru, India | May 2024 - July 2024

- Led development of a domain-adapted, Generative AI chatbot using Hugging Face Llama-2 and Intel NeuralChat, optimized for CPU-only deployment in production.
- Engineered and fine-tuned LLMs using Intel Extension for Transformers and LoRA,achieving up to 25x faster inference and model tuning compared to baseline.
- Drove infrastructure setup and collaborative benchmarking (60% lead), reducing onboarding/troubleshooting time by 50% and improving team productivity.
- Enabled scalable, cost-effective conversational AI deployment validated through robust testing, supporting diverse real-world use cases and making advanced AI accessible on affordable infrastructure.

Skills

Programming Languages:	C, C++, Java, Python, SQL
Libraries/Frameworks:	Flask, Gradio, TensorFlow, Torch, Numpy, Pandas, Fast API
Tools / Platforms:	Git, VS Code, Cursor AI, Android Studio, GCP, Docker, EC2, S3
Databases:	Postgre, MySQL, Oracle, Firebase

Projects / Open-Source

Conversational Visual AI Chatbot with Real-Time Scene Analysis | **Link** *Python, Streamlit, OpenCV, Gemini.*

- Developed a multimodal chatbot using Gemini 2.0 Flash, YOLOv5, and CLIP, enabling users to upload images or stream video and engage in natural language conversations about detected objects and scenes.
- Achieved 92%+ object detection accuracy on static images and real-time performance at ~25 FPS on video feeds through frame sampling and asynchronous processing.
- Designed a lightweight Streamlit interface that reduced user task time by 35% and improved usability over static tools.
- Increased user engagement by 60% and reduced latency by 30% through model optimization and context-aware query handling across image and video modes.

AI-Powered Character Generation & Tagging Pipeline | Link *Python, Hugging Face Transformers, Gradio, Git, Tag2Text, Stable Diffusion v1.5*

- Built an automatic image tagging tool using the Tag2Text model from the Recognize Anything project, achieving 88%+ tag relevance accuracy and reducing manual tagging effort by 70% across 50+ diverse images.
- Developed a customizable image-to-image generation tool using Stable Diffusion v1.5 and Gradio, supporting style/theme inputs, prompt guidance, and 12+ dynamic parameters for controlled artistic output.
- Enhanced user experience with real-time generation and adjustable controls, resulting in a 40% reduction in trial-and-error iterations and 85%+ user-rated prompt alignment in visual outputs.

Finetuned Custom Chatbot *Python, Hugging Face Transformers, Intel NeuralChat, Llama-2, LoRA, PyTorch, Intel Xeon CPUs, Jupyter Notebook*

- Developed a domain-adapted Generative AI chatbot using Hugging Face Llama-2 and Intel NeuralChat, optimized for CPU-only deployment.
- Achieved up to 25x faster inference and ne-tuning by integrating Intel Extension for Transformers and efficient LoRA techniques.
- Led infrastructure setup (60%) and model ne-tuning (30%), reducing onboarding and troubleshooting time by 50%.
- Enabled scalable, cost-eective, and benchmarked conversational AI for versatile real-world applications.

Certifications

- Data Analysis with Python - **FreeCodeCamp**
- The Complete SQL BootCamp - **Udemy**
- Certified Ethical Hacker(CEH) - **NPTEL**

Honors & Awards

- Won Rs.1000 in Samsung Pykathon organized at Don Bosco Institute of Technology