Dhanesh Dutta

+91 7016783851
dhanesh@tutamail.com
linkedin.com/in/dhaneshdutta
github.com/dhaneshdutta

EDUCATION

Jaypee University Of Information Technology   Solan, Himachal Pradesh
Bachelor of Technology in Computer Science   *2024 – 2028*

TECHNICAL SKILLS

AI/Machine Learning: LLM Fine-Tuning, RAG, Transformers, NLP, Computer Vision, Deep Learning, Prompt Engineering
Languages & Libraries: Python (PyTorch, Pandas, NumPy, Scikit-learn), SQL, C++, Go
Databases: PostgreSQL, MySQL, Firebase
Developer Tools: Git, GitHub, Docker, Linux/Bash, REST APIs, ollama, LaTeX, UNIX Shell

WORK EXPERIENCE

Fenrir Security   Remote
AI/ML Intern   *June 2025 – July 2025*

- Orchestrated integration of diverse AI model providers (OpenRouter, Groq, Anthropic, Gemini) to enhance platform capabilities.
- Optimized inference latency and costs by implementing semantic caching and speculative decoding strategies.
- Integrated comprehensive LLM observability pipelines to monitor model performance and reliability in real-time.

PROJECT EXPERIENCE

RumbDoc | *AI-Powered LaTeX Document Generator*   rumbdoc.vercel.app

- Engineered a full-stack web app generating professionally formatted LaTeX PDFs from simple user prompts.
- Integrated high-speed LLM APIs (Gemini, Groq) for intelligent content generation and structuring.
- Designed a responsive frontend for seamless document interaction and retrieval.

PDFtota | *RAG-based Conversational Vision Model*   github.com/dhaneshdutta/pdftota

- Built a RAG model capable of analyzing PDF documents to provide conversational, context-aware answers.
- Implemented full voice interactivity using Text-to-Speech (TTS) and Speech-to-Text (STT) integration.
- Developed cross-platform interfaces including a web frontend and a native GTK desktop UI.

HONORS & AWARDS

- Innovate with NVIDIA '25 Hackathon Runner Up
- Qriosity '25 Winner