

Hitesh Bandhu

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Education

UIET, Panjab University

Bachelor of Engineering in Electronics and Electrical Engineering (CGPA : 6.97)

Expected May 2025

Chandigarh, India

Experience

Reliafin Inc.

Founding Engineer

March 2024 - June 2024

Remote - Chandigarh, India

- **Backend Development:** Utilized Django Rest Framework to build the backend system from the ground up, handling authentication and integration with .
- **User Authentication and File Storage:** Implemented user authentication features and integrated with Amazon S3 for secure file storage and access.
- **Chatbot Creation Feature:** Working on developing a new feature that allows users to create and customize their own chatbots using their data.

Hackathons, Competitions and Quizzes

TextifyAI Prompthon : Secured first place in a major hackathon organized by TextifyAI by creating innovative prompts for GPT-3.5, making an app called Biolgnite

AI Quiz: Achieved a great rank of 9 out of 250+ students in a core genAI quiz conducted by KIMO AI in the college campus

Web Scraping Project: Won a \$ 15 bounty on twitter for developing a web scraping script using BeautifulSoup4 and Selenium in Python to extract LinkedIn comments and put them in a file

Projects

- **youDocs (beta)** Gemini API, Typer, FastAPI
 - Generate comprehensive documentations and graphs from YouTube playlists and surf them like a website.
 - Made using the Gemini API, Typer for the command-line interface, and FastAPI to serve the backend.
- **Natural Language Data Generator** Python, Streamlit, GPT-3 API/Gemini API, Prompt Engineering
 - Developed a tool that generates natural and random data based on language queries. Used Python and Streamlit for the backend and interface.
 - Applied advanced techniques with the GPT-3 API to understand and process requests, allowing data generation in various formats like JSON, CSV, Markdown, and HTML.
- **Customized Chatbot using phi3 Model** Python, MonsterAPI, LoRA
 - Fine-tuned the phi3 model using MonsterAPI to create a chatbot that mimics the style of my favorite YouTuber. Gathered and prepared data from their newsletters for this purpose.
 - Used LoRA (Low-Rank Adaptation) to fine-tune the model efficiently, resulting in a personalized conversational AI assistant.
- **NeuraLeverage (currently building)** Python, Fine-tuning, RAG, CI/CD
 - An app made to teach AI to every age group of students, using research papers and competitions.
 - Started as a newsletter to provide updates about AI and the latest technical advancements.
 - Utilizes fine-tuning, Retrieval Augmented Generation (RAG), and Continuous Integration/Continuous Deployment (CI/CD) techniques.

Technical Skills

Languages: Python, C, C++, JavaScript

Technologies: Django, Flask, Django REST Framework, Numpy, Pandas, Matplotlib, Streamlit (Python); Next.js (JavaScript);

Databases: PostgreSQL, MongoDB, Supabase, Pinecone (Vector Database)

GenAI Stack: Langchain, LangGraph, RAGAS Evaluations, PromptLayer, OpenAI API, Whisper API, Google Gemini API, HuggingFace, MonsterAPI, ClaudeAI, Prompt Engineering