UNNAT MALIK

Backend Python Developer

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SUMMARY

I am pursuing a Bachelor of Engineering (B.E.) in Computer Engineering at Thakur College of Engineering and Technology. I have strong expertise in Python, C, and C++, with experience in backend development using Django and front-end technologies like HTML5 and CSS3. Skilled in data analysis with Matplotlib and Pandas, I am also proficient in databases like MySQL and SQLite. My experience includes version control tools such as Git and GitHub for efficient project collaboration. Passionate about problem-solving and continuous learning, I actively explore new technologies to enhance my technical expertise.

EDUCATION

B.E. Computer Science Engineering

Thakur College of Engineering and Technology, Kandivali

📅 2023 - 2027   📍 Kandivali, Mumbai

PROJECTS

DBMS portal

🔗 https://dbms-website.vercel.app/

A comprehensive educational platform designed to provide resources for Database Management Systems (DBMS) to Computer Science students. The website includes practical guides, SQL exercises, and a detailed overview of essential DBMS concepts.

- **HTML5 & CSS3:** Used to build the responsive and user-friendly website layout.
- **JavaScript:** Added interactivity for SQL exercises and dynamic content.
- **Django:** used for back-end development, handling dynamic content, user management, and database interactions.

Banking portal

🔗 https://github.com/UnnatMalik/Bank-Portal.git

A secure and responsive banking application offering features such as user registration, login, and account management. It demonstrates both front-end and back-end technologies in a real-world context.

- **HTML5 & CSS3:** Developed the front-end interface with a focus on responsive design.
- **Django:** Implemented for back-end functionality, including user authentication, account management, and database operations.
- **SQLite:** Utilized for managing user data and transaction records securely.
- **Matplotlib:** Used to generate visual reports, including transaction graphs and account activity charts.
- **ReportLabs:** Integrated to generate downloadable PDF reports for account statements and transaction summaries.

Stock Analysis

🔗 https://stock-anaylsis.streamlit.app/

A real-time stock analysis application that allows users to view stock summaries, financial reports, charts, and news updates, helping them make informed investment decisions.

- **Streamlit:** Used to develop an interactive user interface for displaying real-time stock data.
- **Pandas & Matplotlib:** applied for data analysis and visualization, creating financial charts and summaries.
- **API Integration:** Integrated external stock market APIs for real-time data fetching

Chat-bot

🔗 https://github.com/unnatmalik/Bro-Bot-AI

An AI-powered chatbot built with Ollama LLM and the LLama3 model, designed to process natural language input and provide intelligent responses. This project demonstrates the power of AI for interactive applications.

- **LLama3 Model:** Core AI model used for generating responses and processing natural language input.
- **LangChain:** Integrated to manage conversation flow within the chatbot.
- **Python:** Main programming language for implementing AI integration and back-end development.

SKILLS

Programming & Frameworks

Python   C   C++   SQL   Pytest

HTML   CSS   Django   Matplotlib

Streamlit   Matplotlib   llama3   Ollama

REST   Gemini

Databases & Servers

Django ORM   MySQL   SQLite

Development

GIT   Github   Vscode   Vercel

PyCharm

CERTIFICATIONS

∞   **Introduction to Back-End Development**
Meta back-end developer - Coursera

∞   **Databases for Back-End Development**
Meta backend developer - Coursera

∞   **Programming in Python**
Meta backend developer - Coursera

∞   **Django Web Framework**
Meta backend developer - Coursera

EXPRIENCE

DBMS website
Thakur College of Engineering and Technology

📍 Kandivali,Mumbai

- Designed and developed a website for DBMS resources, featuring subject notes, practical guides, and concept overviews, using Django for dynamic content and user management.
- Optimized database queries to improve load speed by 30%.