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

苗 2023 - 2027 👂 Kandivali, Mumbai

PROJECTS

DBMS portal

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

A 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 backend 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

An Al-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 Al 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++	SQL	Pytest	
HTML	CSS	Djan	go M	latplotlib	
Streamlit	Ma	tplotlib	llam	a3 Ollama	

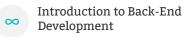
Databases & Servers

Django ORM	MySQL	SQLite
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Development

GIT	Github	Vscode	Vercel
PvCh:	orm		

CERTIFICATIONS



Meta back-end developer - Coursera

Databases for Back-End Development
Meta backend developer - Coursera

Programming in Python

Meta backend developer - Coursera

EXPRIENCE

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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%.