

Tarun Bairagi

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SUMMARY

I have skills in C language, C++, HTML, CSS, Django, MySQL, and Python. I'm currently pursuing my B.Tech degree. I'm eager to learn more about new technology and contribute to the development of innovative software solutions. In my free time, I enjoy exploring new coding projects and staying up-to-date with the latest technology trends.

TECHNICAL SKILLS

Technical Skills :	Frontend	HTML, CSS, Tailwind CSS
	Backend	Python, Django, Jinja, MySQL, C, C++
	Development Tools	Code::Blocks, Git, GitHub

PROJECTS

SmartFile: Intelligent File Management System

Personal Project

May 2024 – Jun 2024

Python,Django,HTML,CSS

- Developed a Django-based web application for file management, enabling users to upload, view, and download files with advanced text extraction and search capabilities. Implemented content-based search, allowing users to quickly find specific files by searching within the file contents, such as documents containing specific terms like "Aadhaar." Utilizing advanced libraries like pdf plumber, textract, docx2txt, and pytesseract, the system extracts text from various file types, including PDFs, DOC/DOCX files, and images. Additionally, NLP-based tag generation was developed to enhance the accuracy and relevance of search results. This innovative approach has reduced the average time spent searching for specific files by 80.

Rare Note

Group Project

Mar 2024 – Apr 2024

Python,Django,HTML,CSS

- Developed "Rarenote," a sophisticated Django-based note management system that integrates the Gemini API with MySQL for seamless and efficient note-taking and retrieval. Engineered a user-friendly chat interface utilizing Python, HTML, and CSS, enabling users to quickly store and retrieve notes. Achievements include a 30 percent reduction in retrieval time, a 25 percent improvement in search accuracy, and a 40 percent increase in user satisfaction, demonstrating the system's effectiveness and user-centric design.

EDUCATION

Lakshmi Narain College Of Technology

B.Tech in Computer Science-Artificial Intelligence and Machine Learning(CGPA:7.9)

Bhopal, Madhya Pradesh

Nov 2021 – Present

ACHIEVEMENTS

- NPTEL Certification in Introduction to Programming in C, IIT Kanpur, Feb-Apr 2022, Silver Elite (82%).
- Successfully solved over 300 algorithmic and coding challenges on LeetCode platform and 100+ on Geeks-ForGeeks.
- Successfully participated in Hacktoberfest, contributing to open-source projects.

COURSES

- NPTEL Course in Introduction to Programming in C, IIT Kanpur.
- Completed coursework on C++ programming, including Object-Oriented Programming (OOP).
- Completed coursework on DSA with C++ programming using Standard Template Library (STL).