HIMANSHU DNYANESHWAR SANGALE

B.Tech. - Information Technology
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BRIEF SUMMARY

My career objective is to leverage my technical skills and knowledge in front-end and back-end web development to contribute to a dynamic and innovative organization. I am determined to further enhance my expertise in web technologies and create user-friendly and visually appealing web applications that deliver exceptional user experiences. My goal is to work collaboratively with a talented team of professionals to develop cutting-edge web solutions that meet business objectives and drive success in the digital landscape.

KEY EXPERTISE

Python | Flask | Backend Development | REST | Web Development | Javascript | PHP | Java | SQL | NoSQL | GIT | Linux | Docker

EDUCATION

MIT Academy of Engineering, Pune   2020 - 2024
B.Tech. - Information Technology | CGPA: **9.38 / 10.00**

Government Polytechnic, Pune, Pune   2021
Diploma | Diploma - Information Technology - Information Technology | MSBTE | Percentage: **95.07 / 100.00**

Noel School, Akola   2018
10th | CBSE | Percentage: **93.80 / 100.00**

INTERNSHIPS

TransWissen Consultancy Services   01 Jun, 2023 - Present
Web Developer

Key Skills: Laravel | PHP | SQL | XAMPP | JQuery | Git | JIRA | Teamwork | Problem Solving

- Collaborated with a team of developers to enhance and maintain the Clinic management system.
- Actively contributed to the development and improvement of various features within the Laravel application.
- Assisted in database design, data modeling, and implementation to support Clinic-specific functionalities.
- Participated in bug fixing, testing, and debugging processes to ensure a smooth and error-free user experience.
- Engaged in regular code reviews and discussions to improve code quality and adhere to best practices.
- Gained hands-on experience in using Laravel framework, PHP, and related technologies in a real-world project.

SpiderWeb   25 Jan, 2023 - 25 Apr, 2023
Full Stack Developer
Key Skills:

Web Development | Customer Interaction | Teamwork | Problem Solving | Communication | HTML | CSS | Javascript | Flask | PHP | SQL | MongoDB

- Gained experience in client interactions and worked on gathering their requirements.
- Collaborated with cross-functional teams to develop and maintain web-based applications.
- Wrote clean and efficient code using web technologies such as HTML, CSS, JavaScript, PHP, and Flask
- Implemented responsive design and accessibility best practices, and conducted testing and debugging of web applications.

PROJECTS

Automatic Query Expansion and Personalization (NLP)   01 Sep, 2022 - 20 May, 2023
Mentor: Mrs. Mayura Kulkarni | **Team Size:** 3

Key Skills: NLP | Machine Learning | Databases | Python | Web Development

- My Role: Python Developer
- Enhancing search experience through automatic query expansion and personalization using BERT (Bidirectional Encoder Representations from Transformers).
- Applied query expansion techniques to generate additional relevant terms and phrases related to the user's original query.
- Leveraged BERT's capabilities to capture a wider range of search results and enhance search accuracy by document ranking.
- Implemented personalized search results by analyzing user behavior and search history.
- Tailored search results based on individual user preferences and past interactions.
- Improved user search experience by delivering more customized and relevant search results.

Online Heritage Booking System in Flask   01 Dec, 2022 - 31 Dec, 2022
Mentor: Mr. Krunal Pawar | **Team Size:** 2

Key Skills: Flask Python MongoDB Javascript HTML CSS

Project Link: https://github.com/Himanshu15oo/Heritage-Booking-in-FLASK

- My Role: Frontend and Backend development
- The Online Heritage Booking System is a web-based application designed to allow users to book heritage sites and events in their local area.
- It provides a user-friendly interface that allows users to browse, select and book tickets for various heritage sites and events.

Online Student Feedback System in PHP
01 May, 2022 - 15 Aug, 2022

Mentor: Mr. Pradeep Katoch | **Team Size:** 3

Key Skills: PHP MySQL HTML CSS

- My Role: Backend and Frontend development
- Online Student Feedback System in PHP has ability to get feedback for faculty and courses.
- It takes Excel sheets as input for mapping Faculty with their respective Course and map the same in the SQL database.
- Sends links of feedback form on the college emails of students.
- Admin dashboard which shows statistics related to feedbacks like total feedbacks received and remaining.
- Ability to resend emails to those who are yet to give feedback.
- Feedback given is totally anonymous.
- Special pdf reports for each faculty can be generated individually for analysis and strategic decisions.

Password Manager in PHP
01 Feb, 2021 - 15 May, 2021

Mentor: Mrs. Mrunal Kokate | **Team Size:** 3

Key Skills: PHP Encryption SQL HTML CSS Javascript

Project Link: https://github.com/Himanshu15oo/Password-Manager-in-PHP

- My Role: Backend and Frontend development
- Password Manager has the ability to generate complex password with combination of alphabets, digits, and special characters and also store the same, so that you don't have to remember any on your own.
- This used PHP and an SQL database for Encrypting and Storing the passwords of user for various websites.
- A Master password is needed to log into the web app.

PUBLICATIONS / RESEARCH / WHITE PAPERS

Enhancing Information Retrieval Effectiveness through Dynamic Query Expansion and Personalization
04 Dec, 2023

International Journal of Novel Research and Development | **No. of Authors:** 4

Key Skills: Python Natural Language Processing Databases Machine Learning

We address the problems associated with information retrieval on the internet in our research, "Enhancing Information Retrieval Effectiveness through Dynamic Query Expansion and Personalization," where large volumes of data can result in inconsistencies between search queries and pertinent content. Using machine learning techniques such as BERT and KeyBERT for optimal feature selection and similarity for accurate document-query matching, we propose an intelligent, personalized web search system. We used an SVM model to classify user interests, integrated a feedback module for customization, and implemented this in Python. Our findings show notable gains in the efficacy of information retrieval, providing more focused and customized search results across the extensive web information space.

CO-CURRICULAR ACTIVITIES

- Vice President of the departmental committee at Government Polytechnic Pune
- Coordinator in MentorPro, an initiative by college alumni for providing placement guidance

PERSONAL INTERESTS / HOBBIES

- Cricket
- Singing
- Sketching

WEB LINKS

- Github - https://github.com/Himanshu15oo

PERSONAL DETAILS

Gender: Male
Marital Status: Single
Current Address: Premsai Apartment, Moshi Road, Alandi, Pune, Maharashtra, India - 412105

Date of Birth: 15 Sep, 2001
Known Languages: English, Marathi, Hindi
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