Sushanth

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PROFILE

A curious student with commitment to learning, proficient in full-stack web development, data structures and algorithms (DSA), C++, and databases, with a passion for crafting applications. Excels in problem-solving and enjoys tackling challenges in coding and web/app development. Interested in server-side technologies and databases, continually seeking to expand skill set.

EDUCATION

BMS College Of Engineering   Bengaluru
Bachelor of Engineering in Computer Science CGPA - 8.6   *Dec. 2021 – Jun 2025*

12th PUC
-100   *2019 – 2021*

EXPERIENCE

Full Stack Web Developer   Apr 2024 – Jun 2024
CodeIO   *Computer Science club of BMS*

- Developed an industry-standard web application for course registration and reregistration at BMS College, reducing process load by 40
- Integrated PostgreSQL, React.js, Node.js, and Express for robust backend and data management.
- Enhanced frontend experience using Chakra UI for a seamless user interface

Open Source Contributor   May. 2024 – Present
Girl-Script Summer of Code   *Bengaluru, Karnataka*

- Enhanced frontend across multiple projects with Lenis premium scrolls and modern design elements.
- Resolved security issues in authentication, ensuring robust data protection.
- Fixed bugs and broken links, significantly improving application stability and user experience.
- Optimized performance through efficient coding practices, contributing over 10 pull requests (PRs) across various projects.

PROJECTS

Realtime Group chat with SocketIO | *NodeJs, SocketIO, MongoDB, reCaptcha v3*   Mar 2024 – Apr 2024

- Implemented real-time communication and online user tracking via WebSocket.
- Ensured secure login with ReCAPTCHA V3 authentication and Bot protection.
- Integrated MongoDB for seamless data storage and Firebase for real-time chat capabilities.
- Future work includes implementing group creation functionality and enabling QR login on Android platforms.

Heat-Beat Music player with visualizer | *SQL, PHP, Javascript, Docker, CI-CD*   Dec 2022 – Oct 2023

- Developed a music player with a synchronized, colorful visualizer for enhanced user experience.
- Managed tracking of liked songs and playlists, incorporating color-absorbing features for card designs.
- Utilized XAMPP server, SQL, and PHP for backend development.
- Implemented HTML, CSS, and JavaScript for frontend design and functionality. Enhanced user interaction with real-time search suggestions for songs and artists.
- Received positive feedback for the innovative use of synchronized visual effects.

TTS-Integrated Story Narrative Platform | *HTML, CSS, MongoDB, TTS, Javascript,*   Dec 2023 – Feb 2024

- Led the development of "Round and Round," leveraging MongoDB for robust backend data management.
- Implemented an advanced Text-to-Speech (TTS) Reading Agent and genre selection to optimize user engagement and accessibility.
- Engineered efficient data storage and retrieval using MongoDB, ensuring high performance and scalability.
- Planned integration of multi-language translation capabilities to enhance global accessibility and user experience.

Human Image Verifier API | *Machine Learning, Keras, flask server*   Mar 2024 – Mar 2024

- Developed a Human Image Verifier API leveraging a Keras-trained .h5 model for precise human detection in images.
- Engineered for seamless integration into diverse webpages and applications, enabling robust human image verification.
- Designed for use cases such as content moderation, image tagging, and security applications, ensuring dependable verification of human presence.

Mind Enigma- a psychology and wellness blog | *HTML, CSS, Javascript*   Aug 2023 – Oct 2023
- Launched "Mind Enigma," a psychology and wellness-focused blog site using HTML, CSS, and JavaScript to deliver insightful content.
- Designed to empower users with knowledge and ideas through in-depth exploration of major psychological topics.
- Planned future work includes integrating a database for structured content management and implementing a content recommendation machine learning model for personalized user engagement.

TMDB API-Powered Movie Explorer | *API, HTML, CSS, Javascript*   Dec 2023 – Dec 2023
- Developed a TMDB Movie Explorer utilizing the TMDB API, enabling users to search and retrieve relevant movie data with precision.
- Engineered an interactive user interface with vibrant and intuitive design elements to enhance user experience and engagement.
- Implemented data mapping processes to seamlessly integrate TMDB API responses into the frontend, ensuring accurate and dynamic presentation of movie information.

TECHNICAL SKILLS

Languages: C/C++, SQL, JavaScript, HTML/CSS
Frameworks: React, Node.js, Flutter
Database: MongoDB, SQL, Firebase
Developer Tools: Git, Docker, VS Code, Visual Studio, Android Studio

ACHIEVEMENTS AND CERTIFICATIONS

Outstanding Research in Web Security: Recognized for demonstrating attacks and researching "Web Security: Different Attacks Detection and Prevention Techniques," highlighting expertise in identifying and mitigating cyber threats during an internship project.

Certification by Microsoft and LinkedIn: Career Essentials in Generative AI by Microsoft and LinkedIn

Flutter and Dart certification: Completed the course on the complete guide of Flutter and Dart by Udemy