# SAILESH K

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## PROFESSIONAL EXPERIENCE

**FREELANCE WEB DEVELOPER**

Webpage design for Digital marketing company.                                              Jul, 2023 – Aug, 2023

- Revolutionized web performance through innovative coding techniques. Introduced a streamlined algorithm optimizing website assets, resulting in a remarkable reduction of load times by up to 50%.
- This enhancement not only improved user experience but also boosted overall site efficiency, demonstrating a commitment to delivering high-performing and agile websites for clients.

## EDUCATION

**GUVI - Full Stack Web development**                                                         Apr, 2024 - Present

*Certification, Full stack web development*

**Relevant Coursework:** MongoDB, ExpressJS, ReactJS, NodeJS.

**PSG Institute of Technology and Applied Research**                              Aug, 2020 – Apr, 2024

*Bachelors, Electronics and Communication Engineering.*                                          **CGPA: 7.96**

**Relevant Coursework:** Operating Systems, Database management, Computer Networks.

## PROJECTS

**STUDENT-MENTOR MANAGEMENT SYSTEM**                                            Jun, 2024 – Jul, 2024

- Developed a comprehensive Student-Mentor Management System using **NodeJS, leveraging ExpressJS** for building a scalable and efficient **API architecture**, and **Mongoose** for MongoDB interactions.
- Implemented robust **CRUD (Create, Read, Update, Delete)** operations for managing student and mentor data, including **data validation, error handling, and data modelling**.
- Utilized **Mongoose's schema-based approach** for data normalization and consistency, ensuring a robust and maintainable database structure.

**HEART DISEASE PREDICTION USING FEATURE SELECTION**                      Jan, 2024 – Mar, 2024

- Developed a **predictive model** using **optimized feature set and ensemble classifier** to identify heart disease risk using optimized feature selection and ensemble classifier techniques.
- Utilized **Python, Scikit-learn, Pandas, NumPy, and Matplotlib** to achieve high accuracy and robustness, with potential for integration into healthcare systems for early detection and prevention.

**TO-DO LIST**                                                                                 Jun, 2023 – Jul, 2024

- Designed and developed a responsive Todo List App using ReactJS, featuring task management, creation of a new task, update an existing task and deletion of a task.
- Utilized React Hooks for state management, Context API to avoid prop-drilling, and CSS for a seamless user experience.

**VOICE ASSISTANT (AI)**                                                                       Mar,2021 - Apr,2021

- Developed a **speech recognition model** capable of automatically **identifying and responding to voice queries**, utilizing **python, pyttsx3**, for speech recognition and Google as a primary information source to fetch details upon request.
- Key features include email functionality, note-taking, music/video playback, and the ability to open applications, providing a comprehensive and hands-free user experience with 90% accuracy.
- **Tech Stack:** Python, Predefined libraries, Google API.

## SKILLS

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| HTML | CSS | JavaScript | React | MySQL | MongoDB |
| NodeJS | Express JS | Python | C/C++ | Figma | Photoshop |

## ACCOMPLISHMENTS

- Submitted and presented a paper titled **Heart disease prediction using optimized feature set and Classifiers** in the (ICSSEECC-2024). And awarded the best paper.
- Member of the Design team of our institute's annual magazine Tarangini.
- Presented a paper regarding implementation of **Market Basket Analysis using R** in the National-Level Management Case Conference 2022 held in Sairam Institute of Management Studies, Chennai.
- Winner - **first prize** in Mini project Expo in python conducted by PSG iTech in 2021.