

Sneha B

📍 Bangalore, Karnataka ✉️ snehab1207@gmail.com ☎️ 6366290637  [LinkedIn](#)  [HackerRank](#)

EXPERIENCE

Software Development Engineer | MatreComm Technologies Pvt Ltd | Bangalore | August 2023 - Present

- Developed website pages using React.js and Next.js, focusing on improving user experience.
- Led development of MERN stack applications with expertise in full-stack development.
- Designed strong APIs for smooth communication between frontend and backend systems.
- Implemented Express.js MVC architecture to refine code organization and scalability, fostering smooth project evolution.
- Employed MongoDB aggregation pipelines to process and visualize data effectively

PROJECTS

Yoga Pose Recognition | February 2022 - March 2024

Python | CNN | LSTM | OpenCV [Link](#)

- Implemented a system achieving 95-96% accuracy in recognizing and classifying human yoga poses from input images using CNNs and the OpenPose model.
- Utilized OpenCV for efficient preprocessing and parameter optimization, collaborating with experts to refine performance across image-based pose detection and video-based action recognition.
- Extended the project to include human action recognition in uploaded videos, achieving a 92.48% accuracy rate with the CNN+LSTM model, excluding unnecessary objects.

Brain tumor detection in an Early stage | February 2022 - July 2022

Python | CNN [Link](#)

- Developed a cutting-edge platform leveraging Convolutional Neural Network (CNN) to accurately detect brain tumors in MRI scans, achieving a 91% accuracy rate.
- Trained the model with 5000 datasets to enhance accuracy, achieving a remarkable 91% accuracy rate in tumor detection.
- Proficiently utilized Deep Learning and Machine Learning techniques in Python for model optimization and performance enhancement, leading to a notable improvement in diagnostic accuracy.

Criminal Record Management System | August 2020 - March 2022

HTML | CSS | JavaScript | Express.js | Node.js | MySQL

- Developed a web-based application facilitating easy access to criminal data via criminal ID or name, ensuring authorized user access.
- Utilized frontend technologies (HTML, CSS, JavaScript) and backend technologies (Node.js, MySQL) for efficient website development.
- Implemented functionalities for administrators to manage and modify criminal data, generate reports, and view login information, while restricting authorized users to view-only access.

Salon Management System | August 2020 - March 2022

HTML | CSS | JavaScript | Express.js | Node.js | PHP [Link](#)

- Developed a web application allowing users to book appointments with salons using HTML, CSS, JavaScript, MySQL, and PHP.
- Users can browse salons, stylists, and book appointments based on preferences, with the option to cancel online.
- Salon owners can manage their accounts, services, staff, and bookings efficiently through the application.
- Designed a user-friendly platform for salon bookings and provided salon owners with essential management tools online.

EDUCATION

Computer Science Engineering (CSE) | RV College of Engineering (RVCE)|Bangalore|2023

Class XII | Nandi International PU college|Ballari|2019

Class X | Jawahar Navodaya Vidyalaya|Ballari|2017

CERTIFICATIONS

The Joy of Computing using Python|NPTEL|2021

[Certificate](#)

SKILLS

Front End: ReactJs, NextJs, HTML, CSS, JavaScript.

Backend: Node.js, MySQL, MongoDB, Express.js.

Deployment: Windows Server, Linux .

git, GitHub, Machine learning (CNN, Python basic libraries), Data Structure and Algorithms

Languages : C, Python