Sagar Sahane

Pune, India | (+91) 8999280563 | sbsahane23@gmail.com | linkedin |Github

SKILLS

- **Programming:** JavaScript, Java, C, Python, SQL, PHP
- **Web Technologies:** HTML, CSS, Bootstrap, RESTful APIs, JWT, BcryptJS, JSON,PassportJs
- **Cloud Technologies:** AWS (CodeDeploy, S3, EC2, ElasticBeanstalk)
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Frameworks/Libraries:** Node.js, MVC, Express.js, Flask, React.js,Scikit-learn, Keras, Numpy, Pandas
- **Tools:** Git, Linux, Postman, VirtualBox
- **Machine Learning:** Linear/Logistic Regression, Random Forest, Support Vector Machines, Neural Networks

PROJECTS

ServiceEasy - Comprehensive Service Application Portal [Live Link] *Jan 2024 – Apr 2024*

- Created a user-friendly web application to simplify over 15+ service applications, including PAN Card, Aadhar Card, and Ration Card, using MongoDB, Express, HTML, CSS, JavaScript, and Node.js.
- Orchestrated secure user registration, service application management, and Cloudinary integration for document uploads, reducing data entry errors by 30%.
- Streamlined application processing, resulting in a 40% reduction in processing time from 5 days to 3 days, improving efficiency.

SmartTask Completer *Sep 2023 – Oct 2023*

- Engineered a cryptocurrency tracking web app using Coingecko API for real-time price monitoring and email notifications.
- Architected reusable React components, optimizing code efficiency and reducing development time by 25%.
- Launched a customized email notification system, boosting user engagement and retention by 30% through targeted content and timely updates, leading to a significant increase in active users and repeat visits.
- Augmented data accuracy by 20% through database optimization techniques, reducing data discrepancies and errors.

Diabetes Prediction System [Live Link] *May 2023 – Jul 2023*

- Constructed a machine learning-based diabetes prediction system achieving 85% accuracy using Logistic Regression, Random Forest, and SVM algorithms.
- Analyzed a dataset of 700+ diabetes patient records, creating a robust predictive model.
- Collaborated with healthcare professionals to design and implement an early diagnosis system, resulting in a 20% increase in treatment effectiveness.
- Developed a user-friendly interface, reducing data entry time by 40% and improving accessibility for patients and providers.

Cotton Disease Prediction System [Live Link] *Apr 2022 – Jul 2022*

- Engineered a machine learning-based system to predict diseases in cotton plants using image scanning and classification techniques.
- Trained the model on a dataset of 1500+ images and validated its accuracy with 200+ images, achieving a classification accuracy of 90%.
- Implemented a web interface for farmers to upload images and receive instant disease diagnosis and recommended actions.

AWARDS AND ACCOMPLISHMENTS

- **Second Place,** *Programming Competition (Techno Master 2k24)* *Feb 2024*
- **Winner,** *District-Level Project Presentation Competition* *Oct 2023*

EDUCATION

Bachelor of Computer Science, Savitribai Phule Pune University | 2021 – 2024 ***GPA:*** *9.0/10*

- **Relevant coursework:** Data Structures and Algorithms (DSA), Operating Systems (OS), Machine Learning, Web Development, Database Management