

# Sagar Sahane

Pune, India | [\(+91\) 8999280563](tel:+918999280563) | [sagarsahane45@gmail.com](mailto:sagarsahane45@gmail.com) | [linkedin](#) | [Github](#) | [Portfolio](#)

## SKILLS

- **Programming:** JavaScript, Python, Java
- **Frontend Technologies:(Front-End)** HTML, CSS, Bootstrap, React.js
- **Backend Technologies:** Python (Flask), Node.js (Express.js), RESTful APIs, JWT, BcryptJS, JSON, PassportJs
- **Database Management:** SQL (PostgreSQL, MySQL), NoSQL (MongoDB)
- **Cloud Technologies:** AWS (CodeDeploy, S3, EC2, ElasticBeanstalk)
- **Tools:** Git, Linux, Postman, VirtualBox
- **Machine Learning:** Linear/Logistic Regression, Random Forest, Support Vector Machines, Neural Networks
- **Soft Skills:** Communication, Problem-Solving, Team Collaboration, Critical Thinking, Adaptability, Time Management, Project Management

## 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.
- Collaborate 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