Sakshi Vilas Jagdhane

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EDUCATION

Jspm's Rajarshi Shahu College of Engineering, Pune *Nov. 2022 – May 2026*
Bachelor of Technology in Computer Engineering *CGPA: 9.83*

Rao Bahadur Narayanrao Borawake College, Shrirampur *June 2020 – Mar. 2022*
Higher Secondary Education (HSC)

New English School, Ukkalgaon *June 2019 – Mar. 2020*
Secondary School Certificate (SSC) *Percentage: 95.20*

TECHNICAL SKILLS

- **Languages:** C, C++, Python, Java, JavaScript, Data Structures and Algorithms
- **Web Development:** HTML/CSS, React.js, Angular, Node.js, Full Stack using MVC frameworks, Responsive Web Design
- **Database:** SQL, MySQL, PostgreSQL, MongoDB, AWS Cloud Storage, Oracle
- **Technologies:** Computer Networks, OOPS, Machine Learning,DBMS,Git, GitHub, Software Developement Life Cycle,Cloud Computing.

PROJECTS

Full Stack Doctor Appointment Website *React.js, Tailwind CSS, Node.js, MongoDB*

- Designed and deployed a responsive booking platform enabling patients to schedule appointments and doctors to manage availability.
- Implemented secure role-based dashboards (Admin, Doctor, Patient) with JWT authentication and MongoDB backend.
- Integrated Razorpay for payments and Cloudinary for image storage, ensuring a scalable and production-ready solution.

Vitamin Deficiency Detection using CNN (MobileNetV2) *Python, Keras, TensorFlow, OpenCV*

- Developed a deep learning model using MobileNetV2 to classify vitamin deficiencies (A–E) from lips, nails, tongue, skin, and eye images.
- Optimized preprocessing pipeline with OpenCV and data augmentation, achieving 92% classification accuracy on test data.
- Demonstrated potential for preventive healthcare applications through AI-based diagnostics.

SmartGarage: AI-Powered Predictive EV Repair Assistant *Node.js, Express, MongoDB, Scikit-learn*

- Engineered a full-stack predictive repair system for electric vehicles, integrating ML models (Random Forest, XGBoost).
- Built APIs to assess battery, motor, and brake health, and generate repair instructions, tool/part requirements, and cost-time estimates.
- Designed mechanic allocation and repair history tracking, reducing downtime through proactive maintenance predictions.

PUBLICATIONS

IEEE – ICECA 2024

PARTICIPATIONS

- **Smart India Hackathon 2024:** Contributed to networked chatbot deployment, optimizing backend security and handling API traffic.
- **Avinya 24-Hour Hackathon:** Built a fall-prediction alert system for elderly care.

HOBBIES AND INTRESTS

- Keeping the desktop organized
- Crafting, Solving puzzles.