

# Omkar Kurade

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## EDUCATION

### Sanjay Ghodawat University

Bachelor of Technology - Artificial Intelligence and Machine Learning (SGPA- 9)

Atigre, Kolhapur

2024

## SKILLS

**Programming Languages:** Python, C++ , JavaScript

**Libraries and Tools:** Sklearn, Pandas, Numpy, OpenCV, Joblib, PyCharm, VS Code, Eclipse, Jupyter Notebook

**Web Technologies:** HTML , CSS, React, Bootstrap, jQuery

**Backend Frameworks:** Node.js , Django , Flask

**Database Management:** MySQL, PostgreSQL, SQLite

**Methodologies and Version controls:** Agile, Git, GitHub

**Soft Skills:** Problem-Solving, Collaboration, Communication, Critical Thinking, Teamwork, Flexibility

## WORK EXPERIENCE

### Python Full Stack Developer

QSpiders: Testing Training Institute, pune

Jan 2024 - Sep 2024

- Acquired proficiency in Python, enhancing code efficiency by up to 30% through optimized algorithms and data structures.
- Executed client-side functionality with React, reducing page load times by 15% through code-splitting and lazy loading techniques, which enhanced overall interactivity and user engagement in web applications.
- Leveraged version control using Git and GitHub, enhancing team collaboration and code management through effective branching strategies and pull request workflows.
- Worked in an Agile environment, participating in daily stand-ups and sprint planning sessions, which led to a 20% increase in team productivity and timely project deliveries.

### Python Developer Intern

IGAP TECHNOLOGIES, Kolhapur

Jan 2022 - Feb 2022

- Collaborated with a team of 5 developers to design and implement SQL queries and Python scripts, enhancing database interaction and reducing query execution time by 25%.
- Engaged in weekly code reviews, leading to a 15% improvement in code quality through peer feedback.
- Conducted thorough testing and debugging of applications, reducing post-deployment issues by 35% and increasing overall product quality.

## PROJECTS

### Smart Voting System Using Face Detection

Tech Stack: Python, Flask, HTML, CSS, Git, NumPy, pandas, OpenCV.

- Developed an interactive user interface using the Flask framework, enhancing user experience and engagement.
- Utilized the `haarcascade_frontalface_default.xml` classifier designed by OpenCV for face detection, achieving a 95% accuracy in identifying registered voters
- Integrated joblib to efficiently load a predefined face detection model, improving model deployment speed.
- Employed `KNeighborsClassifier` from `sklearn.neighbors` to implement a face detection algorithm.
- Used the `os` module to create directories for project organization and `pandas` to read CSV files.

### Contact Manager Application

Tech Stack: React, HTML, CSS, Bootstrap, Node.js, GitHub

- Designed and developed a responsive application using React, improving user experience and accessibility by 30%
- Implemented CRUD operations in the application, enhancing data management and user interaction.
- Optimized application performance by utilizing React's component lifecycle methods, resulting in a 50% reduction in rendering time.

## CERTIFICATIONS

- **The Complete 2024 Web Development Bootcamp** - Udemy
- **Foundation of Cloud IoT Edge ML** - National Programme on Technology Enhanced Learning
- **Project management** - Great Learning
- **Certificate of publication** - International Journal of Innovative Research in Science, Engineering and Technology