

Shreyash Kale

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Education

Smt. Kashibai Navale College of Engineering, Pune (sppu)
Bachelor of Engineering in Computer Engineering
Overall GPA: 7.4/10.00

Pune, India
Apr 2025

Experience

Solar Secure Solutions.

Pune, India

Internship

Jan 2024 - Mar 2024

- Developed Gas Utility Website, using Html, CSS, JavaScript for frontend and Node.js and Express.js for backend, ensuring fast and error-free performance.
- Enhance User Engagement by implementing responsive designs and optimizing performance for better accessibility.

Shivaji High School.

Akot, India

Teaching

Jun 2024 - Jul 2024

- Supervised class of ~70 high school students. Provided one-on-one mentoring and support to students, addressing their individual learning needs, and improving their foundational understanding of computer systems and basic coding principles

Research

Traffic Sign Detection System for Autonomous Cars

Pune, India

Prof. Ganesh Jadhav, Skncoe | [Paper](#) (Accepted at IEEE & IJCRT)

13 Mar 2025

- Conducted a comprehensive research study on traffic sign recognition, comparing traditional image processing with advanced machine learning and deep learning techniques. Analyzed and evaluated the effectiveness of CNN-based models using benchmark datasets like the German Traffic Sign Recognition Benchmark (GTSRB).

Projects

Django Based E-commerce Website

- Engineered a full-stack Django web application with SQLite backend, implementing robust models (User, Product, Order, Cart), authentication flows (login/signup/logout), and responsive UI using HTML/CSS. Integrated admin dashboard, API gateway, order system, and polished views; ongoing improvements include deployment, SEO, and advanced feature expansion.

Flappy Bird

- Developed a 2D side-scrolling Flappy Bird clone using Python and Py-game, featuring OOP-based design, real-time physics, collision detection, dynamic scoring, and smooth gameplay at 30 FPS.

Flask Based Greyscale Converter

- Developed a flask based any image format convert to greyscale using python, The converted image is downloadable to your memory, also website will be available for further conversion.

Skills

Programming Languages: Python, JavaScript, C++, HTML, CSS, MySQL
Miscellaneous: Git, GitHub, Postman, Django, Flask, Nodejs, Express, Rest Apis

Activities

- German Language Certification Level A1 and A2.
- Classical Music Level 2 of Certification.
- Classical Tabla Level 2 of Certification.
- National Level Techfest Codex Hackathon.
- National Project Competition Convene 2025.
- Volunteering, Prayas Youth Forum: Tree Planting, Fort Cleaning and more.
- Volunteering, E-cell: Teamwork, Event Planning, Managing and Organizing.
- Served in NCC (11 MAH BN) for 2 years during school, including participation in a 10-day training camp focused on discipline, leadership, and physical endurance.