

# Shantanav Kapse

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github.com/shantanavKapse

## Technical Skills

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**Web Development:** Django, Flask, FastAPI, React Js, HTML, CSS, JS

**Machine Learning:** Tensorflow, SKLearn, Numpy, Pandas, Transformers

**Databases:** PostgreSQL, MongoDB, MySQL

**Devops:** Docker, AWS, Jenkins

## Experience

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**Software Engineer**, Worth Technology – Indore, India Aug 2023 – Present

- Developed and deployed a Visitor Management System integrating Aadhaar and Razorpay APIs, reducing manual check-in time by 70% and enabling real-time tracking for 2,000+ monthly visitors.
- Designed and maintained scalable microservices with Python, Docker, and AWS EC2, handling 5,000+ API requests daily while maintaining 99.9% uptime and optimizing backend performance.
- Reduced API response time by 30% through backend refactoring and MongoDB query optimization, while automating deployment workflows using Git and Docker, cutting release time by 40%.
- Scheduled automated cron jobs for periodic data collection and backend tasks, improving system reliability and reducing manual overhead.

**Software Engineer Intern**, Odanta Infotech – Mumbai, India Feb 2022 – June 2023

- Developed robust backend features using Django framework, including blogs, likes, and comments modules, resulting in a 40% increase in user interaction and platform engagement.
- Integrated Stripe payment API and implemented a WYSIWYG editor to streamline content creation, boosting successful transaction completions by 20% and enhancing overall user experience.
- Designed and deployed a trivia-based leaderboard system to promote competitive user behavior, driving a 25% rise in daily active users and increasing session times.
- Refactored and optimized complex PostgreSQL data models and queries, improving query performance by 40% and reducing average API response times by 300ms for faster data retrieval.

## Projects

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### Real time chat application

- Built a full-stack chat platform allowing users to register, create or join rooms, and communicate in real time.
- Implemented authentication, session management, and room-based message routing using Django Channels.
- Integrated WebSockets for live communication and wrote client-side JS for asynchronous message rendering.
- Designed database models to manage users and messages, gaining experience in stateful, multi-user system design.

### Data Visualisation Tool (Vizualser)

- Developed a web-based tool for cleaning and visualizing structured datasets during a 36-hour hackathon.
- Enabled users to preprocess CSV/Excel files and generate interactive charts for exploratory data analysis.
- Built modular Flask backend and deployed a simple frontend, improving data analysis efficiency by 40%.
- Designed a user-friendly interface to make technical workflows accessible to non-technical users.

## Education

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**Acropolis Institute of Technology & Research**, B.Tech. in CSE - 8.25 CGPA Nov 2020 – June 2024

**New Pink Flower H.S. School**, 12th PCM - 88.4% Apr 2019 – June 2020

**New Pink Flower H.S. School**, 10th - 89.2% Apr 2017 – June 2018