

Rushikesh Tanksale

tanksalerushikesh@gmail.com ❖ 9890689649 ❖ Pune, India ❖ [Github](#) ❖ [Linkedin](#)

Highly skilled Python Developer with 3 years of experience in developing web applications, automating workflows, and implementing CI/CD pipelines. Proficient in Django, Flask, and modern web technologies with a strong background in data processing and visualization. Proven track record of delivering high-quality solutions for diverse clients.

WORK EXPERIENCE

Self Employed

June. 2021 – Present

Software Developer

Pune, INDIA

- Developed 4 applications using Python and Django for clients such as Carrao India Pvt. Ltd and Bhavisa.
- Implemented CI/CD Pipeline using Jenkins for a Python-based Audiobook Store Project, reducing deployment time by 50%.
- Deployed a chatbot for MIT ADT University on AWS using Python and Flask, enhancing user engagement by 30%.
- Utilized Proxmox for virtualization to streamline a client's infrastructure.
- Resolved data collection issues in an IIoT software using RS485 Daisy chaining and implemented a Python-based data collection routine, increasing data accuracy by 40%.

CISCO Systems

June. 2021 – June. 2022

Campus Ambassador

Pune, INDIA

- Acted as a liaison between Network Academy peers and Cisco Systems, enhancing campus engagement by 20%.
- Promoted Cisco's initiatives, achieving a 15% increase in program participation.
- Completed CCNA 1, 2, and 3 certifications through the Cisco Networking Academy.

EDUCATION

COEP Technological University

July, 2024

M. Tech Computer Science (7.25 GPA)

Pune, India

Dr. DY Patil Vidyapeeth

July, 2024

MBA Supply Chain (7.50 GPA)

Pune, India

VIIT, SPPU

July, 2022

B. Tech Computer Science (9.36 GPA)

Pune, India

PROJECTS

Energy Meter Monitoring Dashboard Using RS485 & Python

Client: Carrao India Pvt. Ltd

- Implemented RS485 communication protocol for data acquisition from energy meters, improving data collection efficiency by 35%.
- Developed a Modbus TCP gateway to bridge RS485 data to an Ethernet network.
- Established a backend using Python and Flask for data processing and API integrations.
- Utilized PostgreSQL for efficient data storage and management, reducing query times by 20%.
- Created a responsive web-based dashboard using Django for real-time data visualization.
- Implemented user authentication and access control to enhance system security.

Work Permit Automation System (<https://work-permit-ye2n.vercel.app/>)

- Developed a Python (Django) application for automating work permit processes, reducing processing time by 50%.

- Implemented user authentication and authorization for hierarchical access control.
- Created a dynamic dashboard for application management, increasing user satisfaction by 40%.
- Integrated real-time notifications to keep users updated on application status.
- Designed a form-based workflow for efficient permit processing.

Book Store & Audio Book Platform (bhavisa.com & audiobook.bhavisa.com)

- Developed a comprehensive book store website using Django, enabling users to browse, purchase, and review books.
- Designed and implemented an audiobook platform using Python and Flask, incorporating Google Services for authentication and Firebase for audio file storage.
- Integrated Razorpay for secure payment processing with multiple subscription plans.
- Leveraged Firebase's storage capabilities for efficient audio file management.
- Deployed and maintained the solution for seamless user experience.

Plant Diseases Detection Using Deep Learning

- Developed and implemented deep learning models using TensorFlow and PyTorch for plant disease detection from images.
- Created a user-friendly web application using Flask for real-time plant disease diagnosis via image uploads.
- Leveraged technology to contribute to improved agricultural practices through automated disease identification.

AI-Based Chatbot (<https://mituniversity.ac.in/>)

- Developed a chatbot for MIT ADT University Pune using Python and Flask.
- Deployed on AWS EC2 with Elastic Load Balancing (ELB) to ensure high availability and scalability.
- Implemented a robust Q&A system for accurate responses to user queries.

Analysis of features affecting Covid19 (<https://coronastudy.c1.biz/>)

- Developed a web portal to analyze and visualize features affecting COVID-19 data.
- Utilized HTML and CSS for web development and Tableau for data visualization.
- Demonstrated insights and trends through interactive visualizations to aid in understanding the impact of various factors on COVID-19 spread.

CERTIFICATIONS & SKILLS

- **Certifications:** AWS Cloud Practitioner; Cisco Certified Network Administrator.
- **Languages:** Python, JavaScript/HTML/CSS; SQ; NoSQL; Java; C++
- **Frameworks:** Node.js; Express.js; Flask; Tensorflow; PyTorch
- **Tools:** Git; Linux; Docker; Kubernetes; AWS; GCP; CI/CD