Pallavi Khode

LinkedIn | GitHub | Blogs | khodepallavi0@gmail.com | Portfolio

Aspiring Software Engineer with a strong foundation in Python, DevOps, and Cloud technologies. Currently interning at Coditas as a DevOps engineer, with hands-on experience in GCP, Docker, and Jenkins. Passionate about solving real-world problems through scalable solutions and eager to contribute to innovative teams.

EDUCATION :

St. Vincent Pallotti College of Engineering and Technology, Nagpur   *2021 - Current* 2025
Bachelor of Technology (Computer Engineering) | CGPA - 9.04

MES HSS Balshikshan Mandir, Pune   2019 - 2021
Higher Secondary Certificate | Examination Score - 90%

New India School, Pune   2009 - 2019
Secondary School Certificate | Examination Score - 90.2%

TECHNICAL SKILLS

Programming Language	**Libraries**	**Database**
Python, C++	Pandas, NumPy, Matplotlib, Sci-kit	PostgreSQL
Cloud	**Tools**	**Operating System**
GCP (VPC, Compute Services, Load Balancers, Storage, Databases)	Git and GitHub, Docker, Jenkins	Linux

EXPERIENCE

Coditas , Pune   *Jan - Current 2025*
 Associate Software Engineer : DevOps
- Currently a DevOps Intern working with and learning **Linux**, **Jenkins**, **Google Cloud**, **Docker**.

Intel Unnati Summer Training 2024   *May - July 2024*
 Vehicle Movement Analysis and Insight Generation in a College Campus using Edge AI
 License Plate Verification System :
- Designed a system to match vehicle images and license plates with an approved database for identifying unauthorized vehicles.
- Tools Used: Python, **Open CV**, **EasyOCR**, NumPy, torchtext, torchvision, imutils

PROJECTS

Women Safety Surveillance System: Major Project
- Designed and implemented a safety system capable of **detecting criminal activities in CCTV videos** and gender classification to identify crime impacting vulnerable populations such as women.
- Utilized **Convolutional Neural Networks (CNNs)** and **YOLOv11** for object detection, gender classification, and behaviour analysis to identify and track individuals across video feeds with accuracy.
- Tools Used: Python, TensorFlow, **Keras**, **OpenCV**, YOLOv11, Deep SORT tracker
- **Research Paper** accepted for International Conference on Advances in Computing Control and Telecommunication Technologies 2025 (Phase I) , to be published in Grenze Scientific Society

Desktop Voice Assistant : *github*
- Developed a personal desktop voice assistant in Python that performs tasks given by the user: Browse the internet, play specified videos on YouTube, Read news article headlines.
- Tools Used: Python, Speech Recognition, **Tf-idf Vectorization**, **Logistic Regression**, Selenium, Custom Tkinter

Task Management application : *github*
- Developed and deployed a complete three tier application using **Google Cloud**.
- Built a full-stack task management application to efficiently organize and track tasks.
- Developed features such as user authentication, task creation, editing, and status updates using **Flask** (frontend), **fastapi** (backend), and **MySQL** (database) with Sequelize ORM.
- Built docker images for both frontend (Hosted on **Compute Engine** behind **Load Balancer**) and backend (Hosted on **Cloud Run**) with a secure connection to the database (Hosted on **Cloud SQL**) .

CERTIFICATIONS

- C++ Programming: Beginner to Beyond - Udemy
- Machine Learning - NPTEL Online certification
- Deep Learning   - NPTEL Online certification
- Generative AI Fundamentals - Google Cloud Skill Badge
- Create and Manage Cloud Resources - Google Cloud Skills Badge
- Python - Kaggle Certification
- Pandas - Kaggle Certification
- Cyber Security and Crime Prevention - Crypto Forensic Technologies

EXTRACURRICULAR ACTIVITIES

- **Women's Techmakers Nagpur (Google Developer Community**) | *September 2023 - March 2025*
  - Graphics Design Team member and Volunteer.
  - Design social media posts, banners, and other promotional materials to support event marketing and communication strategies.
- **Google Developer Students Club SVPCET** | *August 2022 - March 2023*
  - Part of the community as an Event Management and Graphic Design team member.
  - Collaborate with non-design team members to translate their ideas into visually compelling graphics.