

Onkar Ghadigaonkar

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Summary

Dynamic Backend and Python Developer adept at crafting scalable backend solutions and harnessing the power of Python frameworks to drive innovation. Collaborative team player with a knack for integrating AI and machine learning technologies into backend systems, enhancing functionality and performance. Skilled in writing clean, efficient, and well-documented code to meet project requirements while adhering to best practices. Proficient across the software development lifecycle, from conception to deployment, with a focus on maintaining code quality, scalability, and maintainability. Solid background in cloud computing, DevOps, and database management, ensuring robust and reliable

Skills

- **Programming & Web Development** :- Python, Django, Flask, HTML, CSS, JavaScript, SQL, MySQL, MongoDB, FastAPI
- **Cloud Computing** :- Amazon Web Services (AWS), Google Cloud Platform (GCP), Continuous Integration and Continuous Delivery (CI/CD), DevOps, Git, Jenkins, Docker
- **AI-ML** :- Machine Learning, Deep Learning, Natural Language Processing (NLP), PyTorch, Pandas, Matplotlib
- **Tools**:- PyGame, PowerBI
- **Soft skills** :- Collaborated , Mentored , Highly Adaptive , Arbitrated , Cultivated

Work Experience

Aurify Systems, Mumbai

Jan 2024 - Apr 2024

Software Developer Intern

- Developed end-to-end backend solutions using Python and Django framework for FootFall Analytics Application.
- Designed and implemented client dashboards for real-time monitoring and analytics.
- Contributed to the development of security and surveillance applications, incorporating computer vision and machine learning technologies.
- Led the deployment of the security and surveillance application on Amazon Web Services (AWS), ensuring scalability, reliability, and security.
- Utilized AWS services such as Amazon EC2, Amazon S3, and Amazon VPC to set up virtual servers, manage storage, and configure networking.
- Improved infrastructure efficiency and application performance through meticulous system optimization and troubleshooting. Collaborated with cross-functional teams to deliver high-quality solutions that meet client requirements.

Education

SVKM'S Mithibai College

Master of Computer Science

Jun 2022 - Mar 2024

CGPA:8.50/10

Relevant Coursework: Python, Data Structures and Algorithms, Machine Learning, Deep Learning, NLP, Cloud Computing, Generative AI

Kirti M. Doongursee College

Bachelor of Computer Science

Jun 2019 - April 2022

CGPA:8.58/10

Relevant Coursework Python, Data Science, Digital Image Processing, Software Engineering, Java, DBMS

Project Work

1) Raspberry Pi People Count for Retail Shop (Work Project 2024) :

- Develop software to interface Raspberry Pi devices with sensors or cameras for people counting.
- Process and analyze data to accurately count the number of people entering and exiting the shop.
- Provide real-time analytics for monitoring and historical analytics for trend analysis.
- Collaborate with hardware engineers for seamless integration and optimize software performance for Raspberry Pi devices.

2) Car Speed Estimation for Smart city (Work Project 2024):

- Developing software for estimating car speed
- Utilizing camera footage or sensor data for analysis
- Implementing algorithms to analyze vehicle motion
- Accurately calculating speed based on various parameters

3) Face Recognition and Object Detection and Tracking for Retail Stores (Work Project 2024):

- Train machine learning models for facial recognition tailored to identify customers and employees accurately.
- Seamlessly integrate the face recognition system with existing security infrastructure at Reliance stores.
- Ensure strict compliance with privacy regulations governing facial data usage and storage.
- Conduct thorough testing to guarantee the system's reliability, accuracy, and efficiency in identifying individuals.

4) Text To Image Synthesis using Stack Gan (MSc Research Project 2024) :

- Associated With Mithibai College
- It is my Research project for Msc Computer Science
- Given textual description generating photo-realistic images using GAN

5) Grocery store management system (MSc 2024) :

- Associated With Mithibai College
- Front end: UI is written in HTML/CSS/Javascript/Bootstrap
- Backend: Python and Flask Database: mysql

6) Real-time AI voice assistant using Python (MSc 2024) :

- Develop a real-time AI voice assistant in Python for call centers and customer support.
- Integrate AssemblyAI's Speech-to-Text API for accurate transcription of incoming calls.
- Utilize OpenAI's NLP models for generating intelligent responses to customer queries.
- Incorporate ElevenLabs' AI voice synthesis to convert text responses into natural-sounding audio.

7) Instagram Phishing Page Using HTML CSS JavaScript PHP (Msc 2024) :

- Associated With Mithibai College
- Instagram login page clone which sends your victim's credentials through email. The webpage works on both mobile web browsers & desktop.

8) Banking management system using java(BSc 2022) :

- Associated With Kirti College
- The Banking management system project is a model of internet banking .
- This software enables the customers to perform the basic banking transaction by sitting at their office or at homes through PC Front end:- Java/Back end:- My sql

Certifications

- The Complete Python Bootcamp From Zero to Hero in Python (Udemy) Udemy
- Ultimate AWS Certified Solutions Architect Associate SAA-C03 (Udemy) Udemy
- R Programming Language (Udemy) Udemy

Languages

- English Marathi Hindi