

# Yogita Misal

+91-7219550838 | Pune,India | yogimisal64@gmail.com | LinkedIn | Github

## EXPERIENCE

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### Software Engineer

Aug 2022 – Present

*Persistent Systems*

*Pune, India*

- Led the design, implementation, and maintenance of scalable and cost-efficient AWS cloud infrastructure and services.
- Streamlined CI/CD pipelines and infrastructure provisioning using Terraform, achieving faster deployments and improved efficiency.
- Successfully migrated on-premise applications to the cloud, ensuring smooth transitions and minimal downtime.
- Fostered collaboration across development and operations teams to troubleshoot and resolve deployment issues effectively.
- Utilized a diverse range of technologies, including AWS, Python, Git, Github, Terraform, Jenkins, and CI/CD tools.
- Able to troubleshoot and debug issues in distributed systems, including network latency and data consistency problems.
- Proficient in utilizing multithreading to improve performance and responsiveness in concurrent applications.
- Able to optimize multithreaded applications for efficiency and scalability by minimizing contention and maximizing parallelism.

### Research And Development Intern

Aug 2021 – July 2022

*PTC Software*

*Pune, India*

- Collaborated with the Creo-Windchill Cross functional team to streamline the deployment of Vehicle creation parts.
- Developed and implemented an automated desktop control panel application for efficient deletion of unused files.
- Configured and executed bulk test scripts using the Validate stability job, ensuring software quality and stability.
- Proficient in Python programming language with extensive experience in both Python 2 and Python 3.
- Familiar with popular Python libraries and frameworks such as Django, NumPy, and Pandas.
- Knowledgeable in Python's standard library and its modules for various functionalities.
- Actively engaged in the Python community through participation in forums, meetups, and open-source projects.
- Proficient in implementing and manipulating data structures using Python and other programming languages.
- Skilled in selecting appropriate data structures based on the requirements and constraints of a problem.
- Continuously learning and exploring new data structures and their applications in computer science.
- Proficient in designing and implementing algorithms to solve complex problems efficiently.
- Knowledgeable in algorithmic complexities and their implications on runtime and memory usage.
- Familiar with microservices architecture and containerization technologies like Docker and Kubernetes.

## PROJECT

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### Persistent.com Website Infrastructure

- Designed and implemented a highly scalable and secure cloud infrastructure on AWS for Persistent.com, resulting in a 95.95
- Utilized various AWS services, including EC2 for compute instances, S3 for storage, RDS for database, VPC for private network, and Load Balancing for traffic distribution.
- Experienced in implementing multithreaded programs in Python using threading and multiprocessing modules.
- Collaborated effectively with development and operations teams to ensure all website requirements were met.

### Visitor Management System (VMS)

- Streamlined visitor onboarding by 75 percentage with automated setup, SSO, and integrations (HRMS/AD, Outlook, SMS/Email).
- Enhanced security through access control and secure data storage.
- Improved visitor experience with Wi-Fi access and WhatsApp integration.
- Increased staff productivity by reducing manual visitor management tasks.

- Scalable and future-proof system integrates seamlessly with existing infrastructure.

## EDUCATION

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**PES Modern College of Engineering Pune**

B.E. - Information Technology, 9.60/10 CGPA.

Jun 2019 – Jun 2022

*Pune, India*

## ACHIEVEMENTS

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- Solved 500+ problems on Hackerrank and achieved 1st rank in Python.
- Certified AWS Cloud Practitioner

## TECHNICAL SKILLS AND COMPETENCIES

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**Skills :** Data Structure and Algorithms, Unit Testing, Python, LLMs, GenAI, GitHub Terraform JavaScript Multithread