

# Sanket Mengal

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📄 <https://medium.com/@sanket.22120016>

## PROFILE

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An independent and self-motivated undergraduate with proven and tested development, problem solving and innovative skills.

## EDUCATION

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**BTech-IT, Vishwakarma institute of information technology.** Aug 2021 – May 2024  
CGPA-8.0

**Diploma in IT - Amrutvahini polytechnic Sangamner.** Jul 2019 – May 2021  
Percentage - 85.19

**HSC - Sahyadri senior and junior college, sangamner.** Jun 2018 – Feb 2019  
Percentage - 63.23

**SSC - Agasti vidyalaya akole** May 2016 – Mar 2017  
Percentage - 79.40

## SKILLS

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Python, Bash, AWS, Git, GitHub, Docker, Kubernetes, Terraform, Linux, MySQL, Ansible, VScode, xcode

## PROJECTS

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### Implemented and Deployed Scalable 3-Tier Architecture on AWS for High Availability and Performance

#### Domain : Cloud Architecture & Infrastructure

Deployed a highly available and scalable 3-tier architecture on AWS using **EC2, S3, IAM, VPC, Subnets, Internet Gateway, NAT Gateway, Route Table, Security Groups, RDS, Elastic Load Balancer**, and **Auto Scaling Group** to support web applications with improved performance, security, and fault tolerance.

### Terraguide: A Unified Platform for Green Spaces Management

#### Domain : Full-Stack Web Application Development using Python and Django with Role-Based Access Control and Scalable Deployment.

Terraguide is an **innovative web-based platform** designed to simplify and enhance the management of green spaces. With **dedicated features for gardeners, dwellers, and administrators**, Terraguide ensures seamless collaboration and efficient resource management in eco-friendly environments.

### Duplicate File Delete and Remove by Calculating Checksum

#### Domain : Python, Scripting

This Python script is designed to **find and delete duplicate files** in a specified directory and its subdirectories based on the content of the files, rather than the filenames. It uses **MD5 hashing** to identify duplicate files and provides a streamlined method for cleaning up redundant files. The key features include traversing a directory, calculating hashes for files, and automatically deleting duplicate files

## INTERESTS

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Swimming | Fishing | Reading articles | Volunteering | Helping and feeding street dogs and cats