

# Sahil Vanarse

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[www.sahil-vanarse.me/](https://www.sahil-vanarse.me/)

## EDUCATION

### G.H Rasoni College of Engineering and Management

Masters of Computer Applications - **CGPA: 9.48/10.00**

Pune, Maharashtra

Aug 2023 – May 2025

### Vivekanand College

Bachelor of Science (Computer Science) - **CGPA: 9.03/10.00**

Kolhapur, Maharashtra

Sep 2020 – May 2023

## TECHNICAL SKILLS

**Languages:** Python, Java, JavaScript, HTML/CSS

**Frameworks/Technologies:** FastAPI, Django, Node.js, Docker

**Databases:** PostgreSQL, MySQL, MongoDB

**Tools:** Git, GitHub, Postman, VS Code

**Cloud:** AWS (EC2, S3 - beginner level)

## WORK EXPERIENCE

### AssistifAI

April 2025 – Present

Software Development Engineer (Intern)

- Streamlined user onboarding by integrating background web crawling with Celery and Redis, improving system responsiveness and supporting asynchronous job execution.
- Implemented a Redis caching strategy to optimize backend performance, reduce database queries by 60%, and enhance API response latency by 40%.
- Designed and developed scalable RESTful APIs using FastAPI and PostgreSQL; emphasized code reusability and error handling to ensure maintainability.
- Enhanced platform reliability with structured logging, exception handling, and retry mechanisms to support observability and maintainability in production-like environments.
- Collaborated with team members during regular sync-ups and contributed to feature planning and development discussions.
- Applied software configuration management practices and followed SDLC principles to ensure maintainable and high-quality solutions.
- Technologies Used:** Python, FastAPI, PostgreSQL, Node.js, React.js, Redis, Celery

## PROJECTS

### TokneX | Python, Django, DRF, PostgreSQL

[GitHub](#)

- Developed a peer-to-peer messaging platform with modular backend architecture.
- Optimized message workflows and validated features for low latency and seamless integration.
- Added user-friendly message operations (send, edit, delete).

### CO's and PO's Mapping Matrix | Python, Flask, MySQL, JavaScript

[GitHub](#)

- Engineered a modular Flask web app for generating CO-PO mapping matrices with automated calculations and export capabilities.
- Integrated Bloom's Taxonomy and verified statistical accuracy for insights.
- Built reusable utility modules for CSV parsing and data sanitization; improved UX and reduced manual errors during imports.

## ACHIEVEMENTS

- Ranked (**Top 2% performer**) – Code Vista 4.0 2024.
- Ranked (**Top 8% performer**) – Code Vista 5.0 2025.
- Delivered a live coding workshop on Flask to **150+ students** under Microsoft Learn Student Club.