Ritesh Mahale

Backend Development Engineer

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**EXPERIENCE**

**NerdTech,** Nashik — *Backend Developer Intern*

January 2024 - Present

* Developed and managed projects, collaborating closely with clients to create REST API and WebSocket-based solutions.
* Designed and implemented complex databases using PostgreSQL, ensuring efficient data storage and retrieval.
* Worked alongside frontend developers to optimize project outcomes through seamless integration of backend and frontend components.
* Deployed applications on servers like AWS, ensuring reliable performance and scalability.
* Leveraged storage solutions such as Amazon S3 buckets to efficiently manage and store application data.

**Cognifront,** Nashik — *Software Development Intern*

December 2023 - January 2024

* Led development of an NLP-based chatbot using Python, resulting in more increased user engagement and 25% fewer support inquiries.
* Customized chatbot responses for user personas, boosting satisfaction.
* Implemented Python automation techniques for chatbot, API creation, and MySQL database management.
* Created PHP API for backend database handling.

**PROJECTS**

**TelegramEdify: Educational Chat Bot Platform for Engineering Colleges**

* Developed a Telegram chat bot in Python with a focus on educational content and a built-in summary maker.
* The bot serves as a learning companion, providing summaries for educational content and facilitating interactive learning experiences.
* Key features: Summary Generation, Educational Materials, Quiz, Ranking System, Translation, Random Facts, Rating system etc.
* The bot can also able to scrap the website to get real time data from various website.

**DreamJournal: Interactive Dream Journaling Platform**

* Created a social platform using Flask dedicated to sharing and discussing night dreams that may not be suitable for conventional platforms.
* Facilitated interactive discussions among users, fostering a community centered around unique and unconventional dream experiences.

**SKILLS**

Languages: Python, Java, C++, JavaScript

Frameworks: Django, Flask, NodeJS

Tools: Redis, Docker, Pandas, NumPy, MySQL, PostgreSQL, MongoDB, Render, and Postman.

**EDUCATION**

# Sandip Institute of Technology & Research Center, Nashik—

## BE. (Computer Engineering)

December 2022 - July 2025

# K. K. Wagh Polytechnic, Nashik—

## Diploma in Computer Technology

August 2019 - August 2022

**CERTIFICATIONS**

# Cloud Practitioner Essentials

NASSCOM FutureSkills Issued on Jan 2024

# Introduction to Data Science and Machine Learning

Udemy Issued on Sept 2023

**VOLUNTEERING**

# SITRC Apex Showdown - Technical Head

# Organized technical event of the Department Fest. I was a head of the Technical Team, where I organized the development of website for the festival, which were used by 300+ participants for a variety of purposes.