

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.

