

Satish Kumar

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EDUCATION

NIT ARUNACHAL PRADESH
B.TECH IN COMPUTER SCIENCE
Grad. 05/2022

TERESA INTERNATIONAL ACAD
PCM
Grad. 05/2017

COURSEWORK

UNDERGRADUATE

Object-Oriented Programming
Analysis and Design of Algorithms
Introduction to Programming
Data Structure
R-DBMS
Computer Networks
Mathematics
Computer Architecture

SKILLS

PROGRAMMING

LANGUAGES

- Advance: C++, Python
- Intermediate: C, Java
- Novice: Html, CSS, Javascript

TOOLS

- Git • Linux • Pycharm
- Docker • Pgadmin

FRAMEWORK AND LIBRARY

- Fastapi

TECHNOLOGIES

- Postgres • Docker • Kubernetes
- Minio • Rabbitmq • Celery

IMPORTANT LINKS

GFG
LEETCODE
CODEFORCES
CODECHEF
GOOGLE HASH CODE

EXPERIENCE

1 YEAR 10 MONTHS

314E CORPORATION FULL TIME | 06/2022 - TILL DATE | BANGALORE
BACK-END PYTHON | FASTAPI

- Optimized PostgreSQL full-text search functionality, enhancing search **result efficiency by over 98%** across multiple languages.
- Established a scheduled cron job to generate weekly analytics reports, **resulting in a 25% surge in user engagement** and optimization of performance marketing strategies..
- Implemented user form submission and automated email feature, boosting **doctor-client conversion by 25%**.
- Developed an automated script for updating client details, resulting in a **95% reduction in marketing workload** and significantly improving operational efficiency.
- Integrated Stripe for effortless payment processing, ensuring secure and efficient transactions. This enhancement facilitated patient fee payments, **driving a 30% increase in patient engagement**.

314E CORPORATION INTERN | 01/2022 - 05/2022 | BANGALORE
BACK-END PYTHON | FASTAPI

- Led Pytest-based API test suite creation, achieving **more than 92% test coverage**, ensuring robust code quality and reliability.
- Enhanced Python code quality with Ruff, a lightning-fast formatter, maintaining 700+ rules while **boosting performance by 10%**.

ACHIEVEMENTS

- Secured an overall ranking of **5665 in Google Hash Code 2021**, placing within the top 1% of participants.
- **Ranked 3927** on GeeksforGeeks, representing the top 0.301%.
- Solved more than 500 problems on codeforces (Highest rating 1332).
- Solved around 900 problems on leetcode.

PROJECTS

REAL-TIME CHATAPP | SELF-LEARNING PROJECT
03/2021 – 05/2021

- Developed a real-time **end-to-end encrypted** chat application, facilitating interactive communication among 50+ users simultaneously
- Implemented end-to-end encryption, ensuring data security with a 98% success rate.

ACTIVITIES

- Volunteered at the **1st International Conference ESIC (SPRINGER) 2020** hosted by NIT Arunachal Pradesh.
- Engaged as an active member of the coding club at NIT AP.