

# 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

**REALTIME 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.