

# Kaushik Chaudhari

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## Work Experience

### Bhaskaracharya National Institute For Space Applications And Geo-Informatics

Gandhinagar, Gujarat

#### SOFTWARE DEVELOPMENT ENGINEER

Apr. 2022 - Present

- Architected & deployed high-traffic scalable web applications, optimizing performance, responsiveness & maintainability. Seamlessly collaborated with cross-functional teams to deliver projects on time and exceed expectations.
- Optimized backend services using caching and database indexing to improve user experience & reduce response times.
- Proactively identified & resolved critical application issues, ensuring optimal system functionality and performance.
- Developed and maintained RESTful APIs, Pioneered advanced security protocols, including OAuth2.0, JWT, and role-based access control, enhancing application security and reducing vulnerabilities by 80%.

### Bhaskaracharya National Institute For Space Applications And Geo-Informatics

Gandhinagar, Gujarat

#### SOFTWARE DEVELOPMENT ENGINEER INTERN

Nov. 2021 - Mar. 2022

- Engineered RESTful APIs to support crucial business functionalities, facilitating seamless data exchange between various services and third-party applications.
- Collaborated with senior engineers to implement robust security measures, including encryption, token-based authentication, and vulnerability assessments, fortifying the application against potential threats.

## Projects

### INDIAN ARMY API PORTAL (IAAP)

PYTHON | DJANGO | POSTGRESQL

- Architected and led the development of a secure, scalable API gateway for seamless data exchange among government entities, supporting millions of transactions.
- Implemented advanced features like real-time analytics, dynamic rate limiting, and automated documentation; developed an integrated API testing tool with multi-environment support, enhancing system monitoring and reducing testing time.
- Enforced stringent security protocols including data encryption, API key management, and extensive logging, ensuring compliance with industry standards and safeguarding critical information.

### TWITTER CLONE

PYTHON | DJANGO | BOOTSTRAP, CSS, HTML5

- Developed a high-performance backend for a Twitter clone, implementing features like secure user authentication, rate limiting for tweet creation, and asynchronous task processing to handle background activities efficiently.
- Designed and implemented a robust NoSQL data model to optimize storage and retrieval of tweets, user data, and relationships. Utilized advanced data modeling techniques to ensure scalability for large datasets.
- Built a comprehensive RESTful API with endpoints for user management, tweet functionality, and following/follower interactions. Employed caching mechanisms to improve API response times and reduce database load.

## Achievements

**1000+ problems**, solved across various coding platforms to improve problem solving skills and learned DSA very well.

**6 STAR Performer Award** , Received this award 6 times in 11 months for outstanding contributions to the team.

**GATE 2022 & GATE 2023 (95.95 PR)** , Qualified the exam in the paper of CSE

**JEST 2023 & JEST 2024**, Achieved **All India Rank 79 & 62** Respective

**4 Star**, Coder At Codechef (max rating 1824)

**Certificate**, Problem Solving (Hackerrank)

**Certificate**, Python (Hackerrank)

## Education

### DHARMSINH DESAI UNIVERSITY

NADIAD, INDIA

B.TECH COMPUTER ENGINEERING | FIRST CLASS WITH DISTINCTION

JULY 2018 – MAY 2022

- Undergraduate Courses include Design and Analysis of Algorithms, Software Engineering, Object Oriented Programming, Operating Systems, Computer Networks, Database Management Systems, Data Structures and Algorithms etc.

## Skills

<b>Programming</b>	C, C++, Python, Java, JavaScript
<b>Web</b>	Django Python, Java Spring Boot, Bootstrap
<b>Tools</b>	Pycharm, Visual Studio Code, Spring Tool Suite (STS)
<b>Database</b>	PostgreSQL, MySQL, SQL