

# Prakher Gaushal

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## EDUCATION

### **BITS, PILANI**

MS (HONS.) + BE (HONS.)

### **MATHEMATICS**

May 2022 | Pilani, Rajasthan

GPA: 7.55/10.00

Coordinator, BOSM

### **AISSCE | CLASS XII**

DAYAWATI MODI ACADEMY

### **CBSE**

May 2017

97% | Gold Medalist

Top 0.1 percentile across 1 Million students

### **AISSE | CLASS X**

DAYAWATI MODI ACADEMY

### **CBSE**

May 2015

CGPA: 10.00/10.00

## LINKS

Github:// @prakhergaushal7

LinkedIn:// @prakher-gaushal

## SKILLS

### **LANGUAGES**

Javascript • NodeJS • C++ • Python

SQL • Go • Java

### **TOOLS**

Git • MySQL • MongoDB • Redis • Kafka

Elasticsearch • Socket.IO • AWS • GCP

Kibana • Kubernetes • Docker • Postman

## COURSEWORK

### **UNDERGRADUATE**

Data Structures and Algorithms

Object Oriented Programming

Combinatorics

Graph Theory

Computer Aided Design

Operations Research

### **MOOCS**

Coursera - Deep Learning Specialization

by deeplearning.ai

## HOBBIES

Chess • Music • Badminton

Competitive Programming

## EXPERIENCE

### **DOUBTNUT | SOFTWARE DEVELOPMENT ENGINEER**

Jul 2021 - Present | Gurgaon

- Built a highly available chatbot microservice, serving 1M+ daily active users, for WhatsApp, Telegram, and other platforms.
- Designed and implemented a backend translation service to localize text in vernacular languages through a database-driven model.
- Developed an Elastic-based system to improve image search results by 9.4%.
- Managed and implemented API integrations for multiple payment gateways and implemented dynamic gateway switching using the factory design pattern.
- Implemented Redis caching to ensure uninterrupted querying of target groups for various campaigns, effectively eliminating the application downtime.
- Created an in-house microservice for sending priority-based notifications, improving delivery rate by 10% while reducing the third-party API cost.
- Developed a standalone pipeline using YouTube data APIs for transcoding and bulk uploading of up to 15k YouTube videos per day.

### **75 SECONDS | SDE INTERN**

May 2020 - Jul 2020 | Delhi

- Refactored the APIs in NodeJS and designed an employee-specific authentication portal with two-factor authentication.

### **MARUTI SUZUKI INDIA LIMITED | MACHINE LEARNING INTERN**

May 2019 - Jul 2019 | Gurgaon

- Worked under the Machine Department to validate the components by analysing the data from CMM reports and drawings in Python.

## PROJECTS

### **TEACHING ASSISTANT (DATA STRUCTURES AND ALGORITHMS)**

Jan 2022 - May 2022

- Selected as one of the top two students in Data Structures and Algorithms to assist with lectures and laboratory components.

### **ACOUSTIC SIMULATIONS FOR HUMAN PHONATION**

Jan 2021 - May 2021

- Simulated a model of Navier-Stokes equations to predict the behaviour of acoustic waves, specifically studying wave interference in the Human Voice Box using continuum approaches.

## EXTRA-CURRICULAR

### **COMMUNO, BITS PILANI | FOUNDER**

Jan 2019 - May 2020

- Responsible for the establishment of the official soft-skills society and organised Pragrah, the inaugural leadership conclave of BITS Pilani.

## AWARDS AND ACHIEVEMENTS

2017 JEE All India Rank 6393

2016 Stage II Indian National Physics Olympiad (INPhO)

2015 Scholar National Talent Search Examination (NTSE)