

# Ravik Ganguly

theravikganguly@gmail.com | 86971-55714

## EDUCATION

### JADAVPUR UNIVERSITY

Bachelor of Engineering,  
Information Technology  
June 2020 | Kolkata, India  
CGPA: 7 / 10

### CALCUTTA PUBLIC SCHOOL

High School  
Grad. May 2016 | Kolkata, India  
Percentage: 95.3%

## LINKS

Github:// [g-ravity](#)  
LinkedIn:// [ravik-ganguly](#)  
Twitter:// [the\\_gravityguy](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures & Algorithms  
Database Management Systems  
Operating Systems  
System Design

### RELEVANT COURSES

#### Udemy

MongoDB - The Developer's Guide •  
Advanced React and Redux •  
Node.js : Advanced Concepts •  
Junior to Senior Web Developer  
Course • PostgreSQL: Complete  
Developer's Guide • Epic React •  
Grokking System Design Interview

## SKILLS

### PROGRAMMING

#### General:

Server Side Programming •  
Algorithms • System Design

#### Languages:

JavaScript • Bash  
Typescript • Node

#### Tools / Framework:

NodeJs • Express • MongoDB  
PostgreSQL • ElasticSearch  
React • Recoil • Next.js

## EXPERIENCE

### YELLOW CLASS | Fullstack SDE II

Aug 2020 - Present

- Responsible for the complete development and maintenance of the admin panel of the platform.
- Improved response time of slow MongoDB queries by 50-80%
- Implemented custom file upload and processing system using Dropbox API, S3 and AWS MediaConvert.
- Implemented Instagram reels like feature using ElasticSearch & RabbitMQ
- Designed a system to generate pdf certificates in Node and upload them to S3 from JSON data collected from MongoDB

### AFRICAN PRICE | Freelance Developer

May 2020 - Jul 2020

- Designed the complete backend architecture of a Q&A platform. Developed the frontend using React, Next.js
- Implemented points & reward system based on user activities.
- Implemented custom rich text library on top of DraftJs based on requirements for user post creation.

### KREDENT INFOEDGE | React Native Developer Intern

Jan 2020 - Apr 2020

- Developed a social media app for traders & investors using React Native, Node.js, GraphQL, TypeORM and PostgreSQL.
- Was actively involved in designing the schema and the backend system architecture of the social platform that included features like feed, comment, block & report.

### WINSOME IT SOLUTIONS | Full Stack Javascript Developer

Oct 2019 - Dec 2019

- Developed Winsome Website, Callpay Website & internal CRM of Winsome

### DUMANHILL TECHNOLOGIES | Web Developer Intern

Feb 2019 - Apr 2019

- Enhanced frontend of an online health monitoring app in Angular & Bootstrap
- Developed the API of an e-commerce app using Node.js, Express and MongoDB. Features included OTP authentication and Payment Gateway integration

## PROJECTS

### SHOONYA BACK OFFICE | Brokerage & Analytics For Finvasia

- Implemented login using headless chrome, rendered orderbook data using D3.js to provide better insights about trading performance.

### QUIZBUD | Online Personality Quiz Maker to Share with Friends

- Implemented session based shareable quiz links. Implemented admin panel to add questions of various categories.

### WAR OF WORDS | Multiplayer Text Battle Web Game

- Implemented Socket.io rooms & GUID for realtime gameplay with private room functionality

### AMAZEING | The Maze Game

- Implemented recursive Backtracking algorithm to generate mazes of varying difficulty.
- Developed stack data structure to replace the default Javascript function call stack, to handle the large number of recursive operations