

Ravik Ganguly

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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](#)

COURSEWORK

UNDERGRADUATE

Data Structures & Algorithms
Database Management Systems
Operating Systems
Computer Networks
Cryptography and Cybersecurity
System Design

RELEVANT COURSES

Udemy

MongoDB - The Developer's Guide •
Node.js : Building RESTful APIs •
Modern React with Redux • Advanced
React and Redux • React Native +
Hooks Course • Node.js : Advanced
Concepts • Junior to Senior Web
Developer Course • Electron for
Desktop Apps • Python and Django
Full Stack Bootcamp • The Ultimate
MySQL Bootcamp • Docker &
Kubernetes : The Complete Guide

SKILLS

PROGRAMMING

General:

Server Side Programming •
Algorithms • Database

Languages:

JavaScript • Python • C++ • \LaTeX

Tools / Framework:

NodeJs • Express • django • MySQL
ReactJs • Redux • React Native
Docker • Kubernetes • MongoDB

EXPERIENCE

WINSOME IT SOLUTIONS | Full Stack Javascript Developer

Oct 2019 - Present

- Developed the Winsome Official Website, Callpay Website, and internal CRM of the organization
- Providing consultation about MERN stack and backend development in general

DUMANHILL TECHNOLOGIES | Web Developer Intern

Feb 2019 - Apr 2019

- Enhanced the frontend of an online health monitoring app in Angular and Bootstrap
- Helped to strategize and develop the admin panel of the health monitoring app
- Started to migrate the system architecture from monolithic to distributed microservices architecture, to scale the app horizontally
- Developed the API of an e-commerce app using Node.js, Express and MongoDB. Features included OTP authentication and Payment Gateway integration
- Designed the UI/UX and developed the screens of the e-commerce app in Android

PROJECTS

QUIZBUD | Online Personality Quiz Maker to Share with Friends

Nov 2019 - Dec 2019

- Full Stack app developed using React, Node.js and MongoDB
- User can create his/her own quiz. Players can visit the link to play the quiz
- Features also include an admin panel to modify the questions

WAR OF WORDS | Multiplayer Text Battle Web Game

Apr 2019 - May 2019

- Developed all screens with React Native based on Flux architecture
- Implemented Websockets using Socket.io for realtime client server communication
- Added private room functionality using GUID and Socket.io rooms

SUJI DOKUSHIN | The authentic Japanese Sudoku Game

Sept 2019 - Sept 2019

- Implemented recursive backtracking algorithm to generate Sudoku boards of varying difficulty
- Built all the screens using functional components, React hooks and Flux architecture using React Context

AMAZEING | The Maze Game

Aug 2019 - Oct 2019

- 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
- Implemented MVC pattern using ES6 modules and classes, to separate the maze model and view logic