

# Kushal Mondal

Aspiring Software Engineer

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## EDUCATION

### National Institute of Technology, Surathkal

*M.Tech in Information Technology*

AUGUST 2019 - PRESENT

### Kalyani Govt. Engineering College, Kalyani

*B.Tech in Computer Science and Engineering*

AUGUST 2011 - JULY 2015

## PROJECTS

### Simple GUI for crawler4j API

Java

Built a simple Java based UI for web crawler API named crawler4j that enables users to interact with the API without writing any code.

### Stock price crash prediction using LPPL model

Python

Used log periodic power law(LPPL) on various window sizes to predict stock price crash.

### Smart Street Light with Fault detection

Arduino, C++

IOT based smart street light system with multiple levels of illumination and faulty light post detection.

### Horizontal Fragment allocation in Distributed Database System

Java, MySQL

Horizontal Fragment allocation based on threshold value in a Distributed database system with 4 physical nodes and tested with randomized queries.

### Wiki article viewer with search suggestion

Javascript, Bootstrap, JQuery, CSS, HTML

Article search and view interface using wikipedia API. It has an automatic search suggestion based on typed characters.

## EXPERIENCE

### Tata Consultancy Services Ltd.

SEP 2015 - MAR 2019

(System Engineer)

- Built and maintained ERP applications for multinational clients.
- Lead a team of 3 members for ERP development

## SKILLS

- Problem solving
- Data structure
- Algorithm
- Requirement analysis

## PROGRAMMING LANGUAGES

- Java (Proficient)
- C (Proficient)
- C++ (Intermediate)
- SQL (Intermediate)
- Python (Beginner)

## AWARDS

- Special Initiative Award at Tata Consultancy Services for contribution to project.
- Merit-cum-means scholarship from Govt. of West Bengal.