# Tamal Das

Full Stack Software Engineer

Interested in front end and backend development role



### ■ ★ ■ Contact Details

Email - tamaldas177@gmail.com Cell No - (+91)-9062407115/9163143460 GitHub - https://github.com/tdas-kolkata

LinkedIn - https://www.linkedin.com/in/tamaldas177

Portfolio - https://tamal-app.herokuapp.com

### CERTIFICATION

### PROFESSIONAL EXPERIENCE

### **SKILLS**

**Certified React Developer** Udemy - 2021

## Tata Consultancy Services - Kolkata

System Engineer – Quality Assurance Analyst 2020 Jan - Now

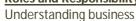
Joined a Global Quality Assurance team (BASEL) and working for a leading US based banking client.

### **Certified Software Tester ISTQB** Certified Foundation level - 2019

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### **Roles and Responsibility**

Understanding business requirement and prepare test scenarios. Co-ordinate the changes from upstream and propagate them to to downstream .Functional validation of the changes from backend SQL database. Impact assessment on exposure at default and risk weighted asset based on co-relation matrix.



Roles and Responsibility

## Tata Consultancy Services - Kolkata

Assistant System Engineer - Node Backend Developer 2019 July - 2020 Dec

Joined a Node backend development team and worked for a leading US based banking client.

## **EDUCATION**

Heritage Institute of Technology - Kolkata **B.Tech (Electrical)** 2015 June - 2019 June DGPA - 8.64

Sri Ramkrishna Sikshalaya Howrah WBCHSE - 12th Mar 2013 - Mar 2015

Secured Marks 85% Sri Ramkrishna Sikshalaya

Howrah

WBCHSE - 10th

Mar 2011 - Mar 2013

**Secured Marks 90%** 

Plan to extend or create RESTful API endpoints based on the business requirement. Plan and develop optimized SQL to fetch data Pandas (Python) from backend postgreSQL database and implement the REST API endpoint in Node and Express.

### PERSONAL PROJECTS

## **Indian Equity Market Screener**

Collected 5 years of historical price data for top 450 indian equity shares(NIFTY,NIFTY50,NIFTY-MIDCAP-100,NIFTY-SMALL-CAP250) and then did the risk return analysis on one day rolling return. It generates a scatter plot of 450 points in risk return space which can be used to visualize sharpe ratio, efficient frontier and helps users to pick shares with good sharpe ratio to construct their portfolio.

### **COVID Vaccine Center Tracker**

Created a simple light weight single page web app which collects data from API Setu (Government of India's Open API initiative) and helps users to find details of local vaccination camps like address, fees ,availability, vaccine types etc. The web app is served by an express server hosted on heroku



### **Frontend**

HTML5 CSS | Bootstrap JavaScript | React.js | P5.js

### **Backend**

Node.js | Express.js (Server) MySQL | PostgreSQL (SQL Database) MongoDB (Limited Proficiency)

### **Programming Languages**

Python3 JavaScript (ES6) SQL

Java (limited proficiency)

### OTHER RELEVENT TOOLS

**Linear Regression** Git & GitHub **DBeaver** Atlasian Jira **Excel Pivot** Jupyter Notebook **HP Quality Center** 

## **ACHIEVEMENTS**

Cleared TCS Codevita-2019 Round-1

Member of winning team in Circuitstics-2016 Jadavpur University **Convocation 2016**