

Tamal Das

Full Stack Software Engineer

Interested in front end and backend development role



Contact Details

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GitHub - <https://github.com/tdas-kolkata>

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

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

CERTIFICATION

Certified React Developer
Udemy - 2021

Certified Software Tester
ISTQB Certified
Foundation level – 2019



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%

PROFESSIONAL EXPERIENCE

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 .

Roles and Responsibility

Understanding business requirement and prepare test scenarios. Co-ordinate the changes from upstream and propagate them 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 .*

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 .

Roles and Responsibility

Plan to extend or create RESTful API endpoints based on the business requirement. Plan and develop optimized SQL to fetch data from backend postgresSQL 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 a express server hosted on heroku .



SKILLS

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 RELEVANT TOOLS

Pandas (Python)

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