

# Sudhanshu Kumar Sinha

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## PROFESSIONAL EXPERIENCE

### INFOSYS | SPECIALIST PROGRAMMER

Jul 2019 – Present | Pune, Maharashtra

- Design seamless RESTful APIs for serving the request to generate customized banking products.
- Implement core business logic for backend functionalities alongside their unit test scenario.
- Acted as a Scrum Master to facilitate Agile principles, improving team efficiency by 85%. (Python, JavaScript, NodeJS, UI)
- Developed the installable CLI application of the product to perform various application operations using command line in 5 days. (NodeJS, JSON)
- Reduced the development time by 80% by developing multiple converter and generator tool to simplify the tasks while maintaining the data integrity. (Python, NodeJS)
- Refactored and optimized various backend module to improve the response by 35%.
- Developed the backend configurator to standardize the data while stream input from multiple sources via kafka.

## PROJECTS

### PRODUCT CONFIGURATOR

- Developed an application that create variety of customize banking products schema as per bank to bank requirements.
- These product consist global as well as variable banking features on the customize basis.
- Built geographical level segregation for banking component and feature for product creation.

### SMARTMATCH APPLICATION

- The aim of the project is to create an application that enhance matches between Loads(order/goods) and truck's carrier on the basis of their preference, boundaries and historical data.
- These matches help carrier to buy or bid on best possible trips to make convey of goods thus resulting in benefit both client and customer.
- Built the data configurator which consume input from multiple source via kafka and standardize and stream data to SmartMatch application.

## PERSONAL PROJECTS

### PRODUCT QUALITY AND UNIQUENESS PREDICTION

- Developed an Machine Learning technique to predict the quality of the new product before starting manufacturing process as well as comparing the upcoming product with the other established product in the market.

### EDU BANKING APP

- Built a web application to facilitate core banking functionalities.

## SKILLS

### PROGRAMMING

Python • JavaScript • C# • Data Structures  
• Algorithms • Design pattern • SQL  
• Object Oriented Programming

### TECHNOLOGY

Node.js • Express.js • LoopBack.io •  
Git/GitHub • GraphQL

### DATABASES

SQL Server • MongoDB

### OTHERS

Data Analytic • RESTful

## LINKS

LinkedIn://sudhanshu-kumar-sinha-a24a8b15b

GitHub://sudh2603

## COURSEWORK

Algorithms and Data Structures  
DBMS  
Computer Systems  
Data Analysis  
Operating Systems  
Computer Simulation  
OOP Programming  
Software Engineering  
Scripting

## ACHIEVEMENTS

- In top 600 Qualifier of HackWithInfy-18 Hackathon organized by Infosys
- TCS CodeVita-18 pre-qualifier
- 4 Star Coder on CodeChef

## EDUCATION

### IEM, SALT LAKE

B.TECH IN INFORMATION TECHNOLOGY  
2015 - 2019 | Kolkata, West Bengal  
CGPA: 8.14/10