

# Rishi Ghai

## Software Engineer

I am passionate about designing and building maintainable, scalable software applications to solve complex business problems

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## WORK EXPERIENCE

### Senior Associate Morgan Stanley

08/2021 - Present

#### Achievements/Tasks

- Got hired by the client side team
- Developed a **common library** project to encapsulate duplicated libraries across all products owned by the team
- Handled the complete **redesign** of one of their core data products. Updated the design to make the application more **extensible** and **maintainable**. Upgraded all technology components to the **latest version** along with some code quality tool setups. Added extensive **documentation** to cover Low Level and High-Level design of the product

### Software Engineer Wissen Technology

06/2019 - 08/2021

#### Tasks

- Worked with Morgan Stanley, Mumbai (client side) on various Equity Research Products. Handled End to end feature development using **Spring** and **Angular** frameworks
- Developed **interactive dashboards** using python(Dash) which enabled Product Owners and Business units to get some useful insights from our databases
- **Groomed interns** at the client side (Morgan Stanley) as well as parent company (Wissen Technology)

## EDUCATION

### B.Tech in Information Technology K.J. Somaiya College Of Engineering, Vidyavihar

CGPA

- 8.4

### XII (Maharashtra State Board), Science Vasant Vihar Junior College

Percentage

- 80.46

### X (Maharashtra State Board) Vasant Vihar High School

Percentage

- 95.27

## TECH STACK

Java

Python

HTML, Javascript, CSS, Bootstrap

Spring

Angular

Elasticsearch

MongoDB

Unix

Jenkins

Git

Jira

Mongo

Docker

## PROJECTS

### Context Analyzer (06/2019 - Present)

- A web tool used by Morgan Stanley analysts to compare a company group's valuation/fundamentals/performance to another company group.
- **Tech Stack:** Spring Boot, Angular, Elastic Search, KDB+

### ESG (07/2020 - Present)

- A backend application which is responsible for getting data from various data sources, performing ETL on it to generate relevant scores, and storing the data in a data store. The data from the data store is sent to downstream applications via RESTful services.
- **Tech Stack:** Spring Boot, Autosys, Apache Zookeeper, Elastic search

### DBUtils (08/2021 - 10/2021)

- A dashboard to compare two tables coming from various types of data sources. e.g Compare a table in Elastic Search to a table in KDB/Excel. Our team uses the application for comparing data and providing data cuts to business teams.
- **Tech Stack:** Flask, Angular, KDB+, Elastic search

### FaSHION (03/2018 - 04/2018)

- An IoT application for enabling the farmers to sell their produce to the government at a fair price calculated dynamically based on geographical factors using an ML model. This application was developed for the Smart India Hackathon 2018
- **Tech Stack:** PHP, Node MCU

## ACHIEVEMENTS

### Smart India Hackathon Second Runner's up (01/2018 - 04/2018)

*Team Leader of the college team for Smart India Hackathon 2018 (organized by the Government of India). Our Team stood second runners up in the competition.*

### Third Ranker (05/2017 - 12/2017)

*Secured third rank in third year of engineering*

## INTERESTS

Reading about tech

Guitar

Football

Table Tennis

Video Games