RISHABH GOSWAMI

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Skills

- Java | JavaScript | TypeScript | C++ | C | MongoDB | SQL | Node | Express | React | Redux | jQuery | NoSQL | Git
- AWS | Cloud Computing | CI/CD | Jest | Unit Testing | OOP | JDBC | Python | Robot Framework | MERN
- Microservices | Distributed Systems | Frontend | Backend | Full-Stack | English, Hindi– *All professional proficiency or above*

Experience

Software Developer   **ION Group**   06/2022 - Current

- Pioneered the implementation of testing using Robot Framework for server using Python, streamlining the testing process and ensuring product reliability.
- Implemented securities in the XTP product to ensure compliance with industry standards.
- Identified and resolved several blockers and bugs in XTP Fees module, contributing to improved product stability and performance.

Software Developer   **Global Action Alliance**   11/2021 - 05/2022

- Led the design and development of multiple enterprise-level microservice single page web applications of GAA using the latest technologies of **AWS, MongoDB, Node, React, Redux**.
- Designed and implemented scalable APIs and background servers for managing backend of several werbsites.
- Led the development of several products E2E, from identifying system requirements and partner dependencies to workload balancing, software implementation, engineering, testing, and configuring metrics, alarms, monitors, and dashboards.
- Developed auto deployment scripts for **AWS EC-2** Instances to initiate and deploy servers from **GitHub**. Created scripts for collection of data from research centers and government repositories using **Selenium Python**.
- Continuous Integration/Deployment Pipeline Integration, pull requests, code reviews, load/stress testing, unit/integration/e2e testing

Education

Bachelor of Technology   **Delhi Technological University**   08/2018 - 05/2022

- Major in Mathematics and Computer Engineering

Projects

- **Two Asset Portfolio Optimization**:
  - This project aims at finding the most optimized portfolio consisting of two assets given for a company. It is written in Python.
  - It uses the historical data of the company to compute the risk and return of some standard portfolio and outputs the most optimized portfolio in terms of risk and return.
  - Link: https://github.com/coding-spidey/Two-Assets-Portfolio-Optimization

- **Modeling of Covid-19 cases in Kerala on Poisson Process**:
  - Modeled Covid-19 cases in Kerala in the month of April using Python on Poisson Process.
  - Further studied the effect of regional festivals like Onam on new cases and how it affected the overall Poisson distribution.

- **License Plate Recognition**:
  - It uses the OpenCV library to identify and extract license plates from images. It uses Pytesseract for OCR and computes the accuracy of the result using Diflib.
  - The accuracy of the overall code was found to be greater than 90%.
  - Link: https://github.com/coding-spidey/License-Plate-Recognition-using-OpenCV

Mentorship

- **Computer Science Tutor:** Programming | Data Structure and Algorithms | career advice

Others

- Awarded HCL brilliant mind award by HCL in excellence in CBSE boards in the year 2018.
- NTSE scholar.
- Participated in NCSC regional exhibition.