

Harsh Shah

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Linkedin • Github • Portfolio

EDUCATION

DWARKADAS J SANGHVI COLLEGE OF ENGINEERING | B.TECH IN COMPUTER SCIENCE AND ENGINEERING

2020-2024 | Mumbai, India • CGPA: 9.33

EXPERIENCE

MORGAN STANLEY [↗](#) | TECH SUMMER ANALYST

May 2023 - July 2023

- Developed and deployed a new async client pub-sub subscription service for the payments screen.
- Integrated the highcharts to produce to real time data using the cps subscription service.
- Migrated the UI with upgraded angular to the company's monorepo
- Developed QA and UAT tests for all the angular components of the project.

CPI | PROBLEM SETTER INTERN

Oct 2022 - Nov 2022

- Taught Data Structures and algorithms to **150+** students in seminars and lectures on behalf of CPI in college.
- Delivered **5** high quality articles for their regular as well as annual Coding Contest

PROJECTS

IMGRESS [↗](#) TECH-STACK : REACT , NODEJS , TiDB , WEAVIATE , PYTORCH, S3BUCKET , ECS

- A One stop Destination to create , orchestrate and deploy your **Image search engine** instances.
- Designed to be highly scalable that comes with **serverless** Distributed microservices and http mysql database.
- Powered by a vector database and pre-trained **Img2-vec** neural network for robust , accurate and quick Image similarity search with accuracy upto **92%**
- Supported by a trail of **audit logs** which enables the user to manage and track all the action history for an engine efficiently

REMOTE-CODE-EXECUTION-ENGINE (RCE) [↗](#) TECH-STACK : NODEJS , DOCKER , SHELL

- A software used for **remote code isolation** and execution of C++ and python files
- Uses the Server-Worker-Queue **microservices** architecture.
- Allows **Parallel** code execution in multiple sibling docker containers
- **Code containerization** which protects the system from malicious codes.

ACHIEVEMENTS

- **Global Rank 471** out of **30000+** participants in codeforces round 817 [↗](#)
- **All India Rank 61** in ICPC Amritapuri doublesite regionals 2021 [↗](#)
- **All India Rank 57** in ICPC Kanpur- Mathura doublesite regionals 2022 [↗](#)
- **Rank 1** in Semicode coding challenge over **3** qualifier rounds
- **Rank 2** in Crackathon coding challenge held over **3** qualifier rounds.
- **All India Rank 410** in Google hashcode (Team name:BitSack) [↗](#)
- **Global Rank 76** out of **36000+** in Newton School Coderush March' 23. [↗](#)
- **Global Rank 135** out of **12000+** participants in Newton School Code-Crush february challenge [↗](#)

SKILLS

TECHNOLOGIES AND TOOLS

C++ • C • Python • Javascript • \LaTeX • Node • Express • REST • Tensorflow • Keras • Angular • MUI • Git • Github • MongoDB • VScode • SublimeText • MySQL • Docker • AWS • Bash