

GAGAN GAURAV

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EDUCATION

B. Tech. In Metallurgical and Material Engineering

National Institute of Technology, Raipur 2019 - 2023

CGPA: 8.47 /10

12th (RBSE Board)

Disha Delphi Global Sr. Sec. School 2017 - 2018

Percentage: 81.20%

10th (CBSE Board)

Disha Delphi Public School 2015 - 2016

CGPA: 9.4 /10

WORK EXPERIENCE

PROJECTS

Live Sudoku Solver

Tech: Python, Open-cv, NumPy, TensorFlow

Features: It is Augmented reality based sudoku solver. I used Open-cv to capture the video and to recognize the sudoku table, then used a machine learning model trained with CNN to recognize digits, then passed these recognized digits into a backtracking algorithm to solve the sudoku puzzle and present the result in real time.

Status Posting Website

Tech: Django Framework, Vue Js, HTML

Features: Login, Signup, sign out, anyone can post their thoughts and views, Follow / Unfollow other peoples, Like / Dislike posts, able to send personal messages.

Group Chatting App

Tech: Android Studio, Firebase

Features: Login, Signup, sign out, using Firebase Auth. You can send personal messages as well as group messages, you can also delete those messages from the Firebase database.

Steel Defect Detection

Tech: Python, TensorFlow, Streamlit, Docker, AWS

Features: Used transfer learning to predict which type of steel defect is present in a given microstructure of steel. Model was packaged and compressed through TensorFlow-Lite for faster inferencing. The model was wrapped in a website created through streamlit. This app was containerized with docker and deployed to AWS's Elastic Beanstalk.

SKILLS

LANGUAGES -

- C++(Competitive Programming/ Data Structure and Algorithms) , JAVA, Python, Javascript, SQL

TECH STACK -

- Android studio, Django Framework, SQLite, Firebase, Vue js,

LIBRARIES/TOOLS -

- Gradle, Firebase, Rest API, Open-CV, TensorFlow, PostgreSQL, Docker, AWS

ACHIEVEMENTS

4-Star Rated Programmer at CodeChef FEB 2021

- Secured a Global rank of 111 out of around 14000 Participants that registered on the website.

Olympiads

- Qualified at both Math and Science Olympiads during school.

ACTIVITIES

- Competitive Programming across various platforms. (Codeforces, Codechef, leetcode)
- JavaScript Essential Training (course offered on LinkedIn Learning)
- Java for Android (course authorized by Vanderbilt University on Coursera)

PROGRAMMING PROFILES

Codeforces : [ExCOMMUNICADO](#)

Codechef: [ex_communicado](#)

Github : [gagan-gaurav](#)

Linkedin : [Gagan Gaurav](#)