



# Raj Mahesh Bhise

Incoming SDE-1 at Amazon'21 | Summer Analyst at Citi'20 | CSE VNIT'21

A technology enthusiast seeking for a position that will help me to enrich and enforce my programming, communication and teamwork skills in developing sustainable innovative solutions and inculcate in myself the principles and attitude of the firm making significant contribution in firm's success.

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## EDUCATION

### Study Program

Visvesvaraya National Institute of Technology, Nagpur

06/2017 - 05/2020

CGPA - 9.05

## WORK EXPERIENCE

### Summer Analyst

Citigroup India

05/2020

Pune

#### LOGS SECURITY AND AUTOMATION

- Developed a JAVA tool to identify, restrict and report all the PII(Personally Identifiable Information) and dummy keys in the logs generated whenever the user access the application. These logs are masked before Production logs are analyzed by the developer void of sensitive data, which is a compliance and data-related regulation. The technologies used were :
- Maven as the Build Tool.
- AspectJ as the crosscutting extension.
- Reflection API to modify behaviour at runtime.
- Sonar Custom Java Rules to serve static code analysis.
- The tool is configurable suiting each application .It can be used by Dev teams and L2 teams for further analysis and ingesting into analyzer tools like ELK.

### Summer Fellow

FOSSEE, IIT BOMBAY

05/2019 - 06/2019

Mumbai

#### Achievements/Tasks

- Worked as a FOSSEE Summer Intern at IIT Bombay for the FOSSEE Blender Team. Created a short animation movie conveying a social message using Blender v2.79b.
- Invigorated skills in various phases of animation like modelling, texturing, rigging, animation, physics simulations, lighting, video-editing and rendering. Also created a 3D logo for Spoken Tutorial Project IIT Bombay (a National Project under guidance of Prof. Kannan Moudgalya) and did animation for the same.

## SKILLS

C

C++

Java

Python

OpenCV

Linux

Information Retrieval

Machine Learning

Distributed Systems

## PERSONAL PROJECTS

### Multi-digit Recognition (05/2020 - 07/2020)

- This [mini project](#) was about extracting information from digital images using CNN model and image processing operations. This has applications in automatically digitizing tabular form data (like feedback forms, exam answer scripts, bank forms, license plate etc.). An accuracy of 92.31% was achieved on our college answer sheets dataset.

### Road Damage Detection and Classification (11/2020 - 05/2020)

- This project aims to detect and classify road damages into categories like Potholes, Lateral cracks, Longitudinal cracks and Alligator cracks in road images using YOLOv4 object Detection. It also incorporates multiple source modelling and Test Time Augmentation to improve accuracy.

## POSITION OF RESPONSIBILITY

Vice Chairperson, ACM Programming Club, VNIT Nagpur (05/2019 - 06/2020)

*Problem Setter, Event Planner and Organiser*

## ACHIEVEMENTS

Attended Regional Science Congress 2014-15 at Canacona, South Goa.

Merit Certificate in Class X (CBSE) and Class XII (CBSE)

## LANGUAGES

English

*Professional Working Proficiency*

Hindi

*Native or Bilingual Proficiency*

Marathi

*Native or Bilingual Proficiency*

## EXTRA CURRICULAR ACTIVITIES

- Volunteer for an NGO named 'DAKSHANA' which provides free coaching to JEE and NEET aspirants from poor backgrounds of JNV schools.

- Member of 'PRAYAAS' Social Club in College.