RESUME

Sathwik Matcha   170040091
sathwikmatcha@gmail.com   3rd Year Undergraduate
                                                                                                                                                   Civil Engineering
+91 8639698805   Indian Institute of Technology, Bombay (IIT Bombay)

Academic Details _____

- Attained **3nd Position** in **National Science Olympiad** Level 1 conducted by Science Olympiad Foundation (SOF)   (2013)
- Received a medal for being the **Best Student** of my school.   (2015)
- Achieved **99.69 percentile** in **JEE Mains** out of **1.2 million** qualified students for JEE Advanced.   (2017)
- Earned **97.64 percentile** in **JEE Advanced** out of **2 lakh** students qualified for JEE Advanced.   (2017)
- Pursuing Minor Courses on entrepreneurship from the **Desai Sethi Centre for Entrepreneurship**.   (DSCE)
  (Courses pursued / being pursued: **Managing Technological Innovation, Business Fundamentals for Technopreneurs**)

Certifications_____

- **Deep Learning Specialization | Coursera**   (June 1 2020)

Learned about Concepts like Computer Vision (**CV**), Convolution Neural Networks (**CNN**), Recurrent Neural Networks (**RNN**), Natural Language Processing (**NLP**) and applied these concepts in hands-on projects within a sequence of 5 Courses.

- **Mathworks Analytics Workshop | Mathworks**   (Oct 12 2019)

Participated in a Mathworks workshop and made an Image Recognition model using IMAGE NET.

- **Impact Start Up Masterclass | Global Governance Initiative (GGI)**   (May 16 2020)

Attended an Start Up Masterclass conducted by GGI and created a **Minimum Viable Product (MVP)** at the end of the class.

Projects _____

INFORMATION RETREVAL SYSTEM IN PYLUCENE | IIT KHARAGPUR
- Analysed a project under Professor Pawn Goyal, **IIT Kharagpur**, which was based on making an information retrieval system for 3D Models and images based on **Pylucene**.   (May 2018 -June 2018)

CHAIN REACTION | CS101
- Developed a game in a group of 3 called "Chain Reaction" which uses the concepts of **Object-Oriented Programming in C++** under Prof. Krishna S, IIT Bombay.   (April 2018)

Technical Skills _____

- **PROGRAMMING LANGUAGES**: Python (Intermediate)| C++, Java, MATLAB (Basics) | WEB LANGUAGES: HTML, CSS, JavaScript
- **PROGRAMMING CONCEPTS:** Object-Oriented Programming, Data Structures and Algorithms (Basics)
- **SOFTWARES / PACKAGES**: Android, OpenCV, AutoCAD, Solid works, MATLAB, Microsoft Excel, Adobe Illustrator, Pylucene
- **MODERN CONCEPTS:** Machine Learning, Deep Learning, Data Science and Visualisation, Image Processing using OpenCV (Basics)
- **PYTHON LIBRARIES KNOWN AND USED:** Tensorflow, matplotlib, numpy and pandas.
- **DATABASE LANGUAGE/FRAMEWORKS:** Structured Query Language (SQL), MySQL

Interests_____

• Technical or Professional Interests Include but not limited **Machine Learning**, **Image Processing** through **OpenCV**, **Natural Language Processing, Augmented Reality / Virtual Reality.**

• Societal Interests mainly include **Improvement in Quality of Education Digitally.**

Positions of Responsibility/Experience_____

1)Co-ordinator, Web and Creatives (Techfest)   **(2018-2019)**

• Developed the website for the latest edition of Techfest under a team which had a footfall of more than 2 lakh in the yesteryear's edition. Updating the website for better look.

• Helped in modifying the Cyclothon website of Techfest, 2018-2019.

2)Organiser, NSS (National Service Scheme)   **(2017-2018)**

• Volunteered **80 work hours** at **Green Campus, NSS (National Service Scheme)**, by planting and watering saplings, maintaining nursery and bio-tagging trees all over IIT Bombay.

3)Organiser, Techfest   **(2017-2018)**

• Helped the organizing team with managing registrations for all people who attended the Cyclothon event.

Extracurricular Activities _____

• Hobbies like playing cricket and table tennis, solving puzzles like sudoku, reading news.

• Coding self-projects based on web and python.

• Learning **Japanese on Duolingo** and also interested to learn even more languages.

Profiles: -

LinkedIn: https://www.linkedin.com/in/sathwik-matcha-4b8611151/
HackerRank: https://www.hackerrank.com/sathwikmatcha
Github: https://github.com/sathwikmatcha