

# MEGHNA SURAJ KASHYAP

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## SUMMARY

A final-year IT B.Tech student studying in NITK Surathkal. Highly enthusiastic learner and vGHC'21 scholarship recipient. Recipient of the GHCI'19 scholarship as well.

## EDUCATION

NITK Surathkal - BTech, Information Technology	(Ongoing)
	8.12 CGPA
GEMS Education - 12th Grade, CBSE	94.2%
GEMS Education - 10th Grade, CBSE	10 CGPA

## PROJECTS

### 1) Identifying and Mitigating OWASP Top 10 Vulnerabilities

- Implemented attacks on WebGoat and other security compromised platforms.
- Used Burp to intercept requests.
- Created a secure web app using MERN stack taking into consideration OWASP vulnerabilities.

### 2) Real-Time Webcam Based Proctoring System

- Used to detect malpractices using webcam – detecting of faces and gaze perception.
- Detection of faces is done using OpenCV - Haar feature-based cascade classifiers.
- Creation of web app using Flask with a remote MySQL database.

### 3) Parallelisation of Viola-Jones Algorithm for Face Detection

- Implementing the Viola-Jones algorithm in a serial manner.
- Parallelised the code to improve computational speed and efficiency by 10.15%.
- Used C++ and OpenMP.

## TECHNICAL SKILLS

- Languages**  
C/C++, Python, JavaScript, HTML5, CSS
- Frameworks**  
React, Angular, NodeJS
- Libraries**  
Tensorflow, OpenCV, NumPy, Bootstrap
- Databases**  
MySQL, MongoDB
- Others**  
Notion, Canva

## POSITIONS OF RESPONSIBILITY

- Membership Chair at ACM NITK Student Chapter
- Executive Member of Curation Team, TEDx NITK
- Social Media Head at Genesis NITK - Official Dance Crew

## EXPERIENCE

### Software Engineer Intern

#### Wells Fargo, Hyderabad | May 2021 to Present

- Built a system that interprets a ReLU based DNN model for credit risk modelling using the Aletheia toolkit
- Created and deployed a user-friendly web app that predicts a clients default risk.

### Research Intern

#### Idea to Startup Lab, Indian School of Business | Dec. 2020 to Present

ISLab is a pre-accelerator offering training to aspiring entrepreneurs as part of the research project and is a non-profit initiative by the Entrepreneurship faculty at ISB & Bocconi.

- Took interviews of numerous entrepreneurs every month to help gauge and understand the progress of their startup.
- Ensured smooth and effective sessions and interviews.

### Business Development Intern

#### RoaDo | Dec. 2020 to Jan. 2021

- Analysing customer needs and gathering data in order to understand trends.
- Creating customer dossiers that analyse in terms of logistics and supply chain set-up standpoint.

### Software Intern

#### FluxGen Engineering Technologies | March 2020 to May 2020

- Created a Web Application for the water consumption product by FluxGen. Used MERN Stack for the web app and maintained the database.
- UI/UX changes on the present website.

## VOLUNTEER EXPERIENCE

### Scholas Occurrentes – Student

Participated in a nationwide dialogue on several social issues, conducted research and drafted resolutions for government to review, in order to tackle these issues.

### Tony Blair Institute for Global Change - Face to Faith Member

Took part in international interaction where cross-faith discussions took place via video conferencing. The aim was to break down religious and cultural differences and thereby reduce conflict in the world.

### Young Women's Leadership Summit

Gave a talk on a variety of issues faced by women in STEM and discussed solutions on how to solve the same.

### GEMS Education – Student Mentor

## ADDITIONAL SKILLS

- Leadership
- Public Speaking
- Content and professional writing
- Event management and organization