MEGHNA SURAJ KASHYAP

SUMMARY

A third-year **IT B.Tech** student studying in **NITK Surathkal**. Highly enthusiastic learner and **GHCI'19 scholar (Grace Hopper Celebration India – AnitaB.org)**,
Incoming **SDE Intern** at **Wells Fargo** for the **summer of 2021.**

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 - Offical Dance Crew

EXPERIENCE

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.
- Leading a 5 member group to organise sessions for 150+ entrepreneurs under one mentor.
- Conducting calls/ interviews for 25+ entrepreneurs on a monthly basis to help them understand and reflect activities being performed in their startup.
- Ideating plans for smooth 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.

ADDITIONAL SKILLS

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

VOLUNTEER EXPERIENCE

- **Scholas Occurentes – 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**