# Yash Khare

#### **OBJECTIVE**

To gain exposure, enhance my skills and always be ready to learn new things.

# **EDUCATION**

Bachelor of B.Tech in Computer Science and Engineering, Amrita Vishwa Vidyapeetham,

Technology Kollam, Kerala, India.

(2018-2022) CGPA: 9.34/10

Ongoing

Higher St.Joseph's Academy, Dehradun, Uttarakhand, India.

Secondary Percentage: 94.25%

Education

ISC(2018)

Higher St.Joseph's Academy, Dehradun, Uttarakhand, India.

Education Percentage: 92.2%

ICSE(2016)

#### EXPERIENCE

August 2019 - GitHub Campus Expert.

Present As Campus Expert, I am trained to build a strong technical community. Besides training, I have access to resources and support from GitHub, such as swag, sponsorship, and the

opportunity to attend events which helps in all round development of a student.

May 2019 - **FOSSASIA Internship**.

August 2019 I got selected as a FOSSASIA intern in May 2019 and will help in further enhancing the projects of FOSSASIA. The internship involves learning more about **image processing using OpenCV and BLE APIs(Bluetooth Low Energy APIS)** and using those in the Phimpme and Badge Magic Projects.

July 2019 7th Undergraduate Summer School, Indian Institute of Science.

I was selected for the 7th Undergraduate Summer School, held by the Department of Computer Science and Automation of Indian Institute of Science at Bengaluru. This program is as a course into the field of research where students are . It is mainly meant for final and pre-final year students, but sophomores are also encouraged to apply. I was selected for the program in my sophomore year itself after clearing the application and interview phases, being the only sophomore accepted into the program out of the 90 selected students all over India.

July 2018 - Member of amFOSS.

Present amFOSS is the Free and Open Source Software club of my college. I have been an active member of the community from the time I joined college. I actively take part in all events and also help in organizing events hosted by amFOSS. I have also taken responsibility for the monthly sports sessions that the community has.

November Contributor to FOSSASIA.

2018 - FOSSASIA is an Open Source Organization to which I am a regular contributor.

Present

November FOSSASIA CodeHeat Participant.

2018 - I participated in FOSSASIA's coding contest, CodeHeat. On basis of my contributions to January 2019 FOSSASIA during this time, I became an OpenTech Night winner and got the oppurtuinity

to attend the FOSSASIA OpenTech Summit(March 2019) in Singapore.

December **KWoC Participant**.

2018 - I participated in KWoC(Kharagpur Winter of Code) by IIT Kharagpur which was a one January 2019 month coding competition. I successfully completed KWoC and was finally among the top 3 contributors.

## **ACHIEVEMENTS**

- My paper on Infrared Image Enhancement using Convolution Matrices got selected to be presented in the International Conference on Optics and Electro-Optics 2019(ICOL 2019) which is held at Instruments Research and Development Establishment, a premier DRDO establishment working in the field of Electro-optics
- Won 2nd prize in IBM-Cloud Category in FOSSASIA UNESCO Hackathon
- FOSSASIA OpenTech Night winner
- One of the top contributors to Phimpme Android- a popular project of FOSSASIA
- One of the top contributors to Badge-Magic Android- a new and upcoming project of FOSSASIA
- Scored 100/100 in Mathematics and 95/100 in Computer Science in ISC Board Examination(Class 12)

## **PROJECTS**

Tweegenous **Tech stack: Python, Jupyter Notebook**.

This project is use to collect tweets from twitter in different languages using NLP. It was developed as a part of the FOSSASIA-UNESCO Hackathon, in Singapore, in which my team won the 2nd place in IBM-Cloud Category. The tool was designed for people who speak indigenous languages. It collects tweets related to natural disaster and translates them in the language desired by the user and alerts people instantly if there is a natural calamity or any disaster headed their way by translating tweets. It is a two way system, for both the authorities and people. Link to project:

https://github.com/tweegenous

Phimpme Tech stack: Java, XML, Android, OpenCV.

Phimpme is an open source photo editing application designed for android phones. I am one of the top contributors in this project and have fixed several bugs and made several new features. I am also one of the maintainers of this project. Link to project:

https://github.com/fossasia/phimpme-android

# Badge-Magic Tech Stack: Kotlin, XML, Android.

Badge-Magic is an andorid application which is used to control LED Badges. I have been a core contributor to the project and have helped build this project from scratch. I also help maintain this project. Link to project:

https://github.com/fossasia/badge-magic-android

#### Asha-SOS Tech Stack: JavaScript, HTML, CSS, Bootstrap.

This is a project for disaster management in case of floods when due to loss of internet connection, people are not able to send for help. Our project helps in providing a network in case of floods. A device called a Node-MCU is used to provide an wifi network. Link to

https://github.com/kochi-hackathon/AshaSOS

#### Temple App Tech stack: Java, XML, Android, Google Sheets API.

An Android app which handles the information about a temple. People can register and keep a track of all poojas, donations made to the temple. I am one of the core developers and maintainers of this project. Link to project:

https://github.com/amfoss/TempleApp

#### Problem Tech Stack: Java, C, C++, Python.

Solving I have a keen interest in problem solving. I learn and understand several new algorithms

and use them to solve problems from online judges. Link to project:

https://github.com/yashk2000/PROBL3M\_SoLV1nG

# Scripts Tech Stack: Python, JavaScript.

I like to make scripts to automate some everyday tasks. Some of the scripts I made are:

https://github.com/amfoss/facebook-graph-api

https://github.com/amfoss/star-me

https://github.com/yashk2000/python-programs

#### LANGUAGES

English Full Professional Proficiency

Hindi Native Tongue, Full Professional Proficiency

#### COMPUTER SKILLS

Operating Linux(Debian and Fedora), Windows

Systems

Programming Python, Java, Kotlin, XML, C, C++

Languages

**Scripting** Bash shell scripting

Langauges

Version Git

Control

**Systems** 

**Other Skills** Android Development, Problem Solving, JavaScript(basics)

#### INTERESTS

Technical Artificial Intelligence, Machine Learning, NLP, Image Processing

Hobbies Reading, Travelling, Singing, Guitarist

# PERSONAL DETAILS

Date of 12th November, 2000

Birth

Current Kollam, Kerala, India

Residence

**Status** Student