# Sohail Khan

Computer Science and Engineering Undergraduate - PreFinal
Indian Institute of Technology, Jodhpur
(+91)8094933757 | khan0604 | ✉ khan.1@iitj.ac.in
https://khan0604.github.io/

## Education

**B.Tech in Computer Science and Engineering**
IIT Jodhpur
CGPA : 6.94/10

**Higher Secondary (MPBSE)**
Sardar Patel School - 2015
Percentage : 87.4%

**Secondary (CBSE)**
Jyoti Convent School - 2013
CGPA : 10.0/10.0

## SKILLS

**Language**
 **Proficient -** C++
 **Experience** - Python, OpenCV

**Web Development**
 PHP
 MySQL
 HTML
 CSS

**Utilities**
 GitHub
 Linux
 Adobe XD

## Courses

**Computer Science Core**

Data Structures and Algorithms
Algorithm Design and Analysis*
Object Oriented Analysis and Design
Software Engineering
Discrete Mathematics
Operating Systems*
Compiler Design*
Data Communication*
Computer Organisation and Architecture
Theory Of Computation
Digital Logic and Design

**Mathematics**

Probability, Statistics and Random Processes
Complex Analysis and Differential Equation
Linear Algebra and Calculus

## Projects

### Grade Management System - C++

**Dr. Chiranjoy Chattopadhyay | Jan 2018 - Apr 2018**

Git Link : https://github.com/khan0604/Grade-Management-System

- Developed a grade management system for the students of IIT Jodhpur
- It was implemented in c++ using object oriented analysis and design
- Documentation, designing, coding, testing and improvement were important milestones in the project cycle

### Face Recognition - Python

**Dr. Chiranjoy Chattopadhyay | Jan 2018 - Apr 2018**

Git Link: https://github.com/khan0604/Face-Recognition

- Implemented research paper by Shiv Ram Dubey, Local Directional Relation Pattern for Unconstrained and Robust Face Retrieval, *arXiv: 1709.09518*, 2017
- Three datasets are used AT&T- **95.84**% acc, FACE94-**99.34** acc, FACE95-**94.61** acc

### Social Network : 'IITIANS' - PHP

**Self Project | May 2017 - July 2017**

Git Link : https://github.com/khan0604/IITians

- Developed a social network using php for backend.
- A web forum to ask and answer questions along with a feed webpage to upload images, text and videos and a chat feature to text other users.

## Experience

### Open Source Contributor - PHP

**PR Link** : https://github.com/phpbb/phpbb/pull/5164

- Fixed several issues in **phpBB** repository
- Worked with people from different timezones

## Position of Responsibilities

### Student Counselling Service - Student Guide | 2017-18

- Mentored 9 freshmen students as a Student Guide for their smooth transitioning into college/hostel life
- Helped organise orientation programme for 180 freshmen

### Student Regatta - Hostel Cultural Secretary | 2017-18

- Organised Inter Hostel Cultural Fest SPANDAN
- Organised various events and workshops

## Extracurricular Activity

- Core member of Dance Club - Defeat the Beat under Student Cultural and Literary Society, IIT Jodhpur
- Represented IIT Jodhpur in Inter IIT Cultural Meet 2017

' * ' refers to ongoing courses