

# Subhdeep Saha

SECOND YEAR UNDERGRADUATE · COMPUTER SCIENCE AND ENGINEERING

☎ (+91) 9641-043474 | ✉ subhdeepsaha@gmail.com | 📱 subhdeep

## Skills

<b>Programming</b>	<i>Proficient:</i> Javascript, C, Typescript, Shell, CSS <i>Familiar:</i> Python, SASS
<b>Web Development</b>	Node.JS with Express, Full MEAN Stack, Angular 2
<b>Operating Systems</b>	Arch Linux, Microsoft Windows
<b>Utilities</b>	Git, Vim, MongoDB, $\LaTeX$

## Work Experience

### Whitellogic

Chennai, India

FRONTEND DEVELOPER

Winter 2016

- Client Technologies Developer in a startup organization
- Built a web application from scratch using Angular 2 as the framework. Worked with a REST-api along with Typescript to develop the app. The MVC Design Pattern was followed to create scalable code. The application was created up to industry standards, and is being deployed in a few major Fortune 500 companies (further details are under NDA).

### New York Office, IIT Kanpur

Kanpur, India

FRONTEND DEVELOPER, UNDER PROF. MANINDRA AGARWAL

Summer 2017

- Worked in a team to develop an information management and retrieval system for New York office of IITK. Worked on a scalable Web-Application.
- Led a team of 4 members and was a peer mentor during the course of the internship.
- Implemented Reactive Forms with better validation giving better UX to the user.
- Implemented linking of user Facebook account to our Web-App.

## Projects

### Dashboard Web Extension/App

IIT Kanpur

INTER IIT TECH MEET

February, 2017

- Involved in creating a web extension which acted as a user's home page
- Server Side was implemented as multiple **microservices** in various languages (Golang, Python, NodeJS) involving inter-process communication via JSON RPC with client side in Angular.
- Fully **Dockerized scalable backend** running on a docker-compose setup. ([github.com/yashsriv/beethoven](https://github.com/yashsriv/beethoven))
- Judged **1<sup>st</sup>** among all the IITs participating in the competition.

### Reversi Game In Python

IIT Kanpur

ACA SEMESTER PROJECT

2<sup>nd</sup> Semester

- Developed a Python Application using Pygame for 2 players, as well as single player Reversi gameplay in a team of 2.
- Uses the negamax algorithm with an efficient heuristic check for better performance against humans.
- Mid Semester project under the Association of Computing Activities (ACA).
- [github.com/yashsriv/Reversi-Python](https://github.com/yashsriv/Reversi-Python)

### Smart Mirror

IIT Kanpur

PROGRAMMING CLUB SUMMER PROJECT

Summer 2016

- Developed on an IoT device which syncs with the user's phone through face recognition, and displays notifications on a screen
- Notifications are mirrored using PushBullet
- Received the Best Applicative Project during the Science & Technology Summer Camp.
- [github.com/11000011/Smart-Mirror](https://github.com/11000011/Smart-Mirror)

## Extracurricular Activity

### Senior Web Executive

IIT Kanpur

TECHKRITI 2017, IIT KANPUR'S NATIONAL TECHNICAL FEST

Dec. 2016 - Mar. 2017

- Helped to develop the beta website of the fest.
- Developed a Google Chrome extension for the fest which keeps upto-date with the events of the fest.

## Education

### Indian Institute of Technology

Kanpur, India

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

July 2015-Present

- Cumulative Grade Point/ CGPA: 6.7/10

Sudhir Memorial Institute

ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION (CBSE)

- Overall Percentage: 88.4%

Kolkata, India

May 2015

D.A.V Model School

ALL INDIA SECONDARY SCHOOL EXAMINATION

- Cumulative Grade Point Average: 10.0/10.0

Kharagpur, India

May 2013

Coursework

Data Structures and Algorithm(i)      Probability and Statistics(i)  
Introduction to Programming      Discrete Mathematics

i: In progress