

# Vaibhav Setia

+91-79865-06559 | vaibhav.setia.pec@gmail.com | vaibhav-setia | vaibhav-setia-pec

## Education

### Punjab Engineering College

BACHELOR OF TECHNOLOGY (B.TECH), COMPUTER SCIENCE AND ENGINEERING

- CGPA 7.73/10

Chandigarh, India

2016 - PRESENT

### Sri Guru Gobind Singh Sr. Sec. School Chandigarh

SENIOR SECONDARY EDUCATION

- 12th standard : Percentage: 93%

Chandigarh, India

2015 -2016

### Delhi Public School, Chandigarh

HIGH SCHOOL

- 10th standard : CGPA 10/10

Chandigarh, India

2013 - 2014

## Experience

### Research-Intern at IIT Roorkee

RESEARCH FELLOW UNDER ASST. PROF. BRAJESH KUMAR KAUSHIK

- Deblurred images in frequency domain using OpenCV and CPP
- Combined blind and deblind convolution, two different approaches to deblur an image using weiner filter
- Denoised images filled with uniform noise without calculating the Signal to Noise Ratio (SNR)

Roorkee, India

May 2018 - July 2018

## Projects

### Digital Attendance System

WEB DEVELOPMENT

- Developed a website using PHP and HTML to take attendance online
- Enabled an on click attendance report generation for whole batch as well as a single student
- Made a portal for students to view their attendance records

Attendance-System

Jan 2018-May 2018

### Web Crawler

JAVA

- Made a crawler in Java which extracts urls from web pages and writes them in an MS-Excel file
- It recursively crawls the web pages using Apache POI library

Web-Crawler

February 2018

### Smart Parking System Prototype

JAVA APP

- Developed a desktop client app which enabled to get a parking ticket beforehand
- Created an admin panel which showed the current parking status of the parking lot using MySQL as database
- Parking ticket and a QR code emailed to the user using SMTP library

Smart-Parking-Prototype

July 2017

### Desktop games

JAVA APP

- Developed 5 desktop games
- Used various Java swing components and containers

Java-Desktop-Games

May 2017-June 2017

## Skills

**Languages** C, C++, Java, Javascript, HTML, CSS, x86 Assembly Language, SQL

**Software Used** CodeBlocks, Eclipse, AutoCAD, Proteus8, emu8086, AndroidStudio, Wireshark

**Operating Systems** MS Windows, Linux (Ubuntu)

## Honors & Awards

---

### SCHOLASTIC

- 2014 **50th International rank**, was among the top 0.29 % in International Maths Olympiad(IMO)
- 2014 **151st National rank**, was among the top 1.49 % in National Science Olympiad(NSO)
- 2014 **288 All India Rank**, awarded a Gold Medal in NSTSE
- 2015 **Among top 100**, Cleared the Stage 1 of Regional Maths Olympiad held in class 11.
- 2017 **Bronze Medal**, in HourRank ,a coding contest by Hackerrank
- 2018 **1st position**, Hack With Her,Hackathon (Bonus Round)
- 2018 **2nd position**, Great Engineering Quiz (Technical)

## Extracurricular Activity

---

### Les Amis (a Non-Profit organization)

Chandigarh, India

FINANCE SECRETARY

2016 - PRESENT

- Member of the Executive Body (EB) of Les Amis, a non profit organisation registered under UT Administration, Chandigarh, India
- Permanent member of the Voting Body(VB) of the organization

### Make A Difference (NGO)

Chandigarh, India

ACADEMIC SUPPORT VOLUNTEER

2017 - 2018

- Tutored high school kids residing in shelter homes for their board examination.

### National Social Service (NSS)

Chandigarh, India

PROJECT AABHA

2016 - 2017

- Volunteered to teach underprivileged kids residing around Punjab Engineering College

### Solar Energy Society of India (SESI)

Chandigarh, India

PROFICIENCY MEMBER

2016 - PRESENT

- Organized Batmobile Chase event for SESI in PECFEST 2017
- Competed in boat race event , POSEIDON, at Cognizance 2016, IIT ROORKEE.

### PECFEST (College fest)

Chandigarh, India

JOINTHEAD

2016 - PRESENT

- Publicity volunteer for PECFEST 2016
- Publicity subhead for PECFEST 2017
- Publicity jointhead for PECFEST 2018
- Member of website development team PECFEST 2018