

# Tanvi Surana

[tanvisurana20@gmail.com](mailto:tanvisurana20@gmail.com) | [tanvi-surana.github.io](https://tanvi-surana.github.io)

## EDUCATION

### INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN

BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE

Expected June 2017 | New Delhi, India  
Percentage: 82.00

### SENIOR SECONDARY DELHI PUBLIC SCHOOL, ROHINI

May 2012 | New Delhi, India  
Percentage: 91.60

## LINKS

Website:// [tanvi-surana.github.io](https://tanvi-surana.github.io)

Github:// [tanvi-surana](https://tanvi-surana)

LinkedIn:// [tanvisurana](https://tanvisurana)

Hackerearth:// [tanvi.surana](https://tanvi.surana)

Hackerrank:// [tanvisurana20](https://tanvisurana20)

CodeChef:// [skull2012](https://skull2012)

## COURSEWORK

### GRADUATE

Algorithm Design and Analysis

Computer Networks

Database Management System

Data Structure

Operating System

Artificial Intelligence

Cloud Computing

Compiler Design

Computer Organization and Architecture

Data Warehousing and Data Mining

Network Programming

## SKILLS

Languages:

• C • C++ • Git • JavaScript • Python  
• HTML • CSS • LESS

Framework:

• Django

Familiar:

• Cloudsim (Cloud Computing)  
• Network Programming

## PROJECTS

Link to the source code of the projects: [GitHub](https://github.com)

### INCREASING EFFICIENCY OF WIRELESS SENSOR NETWORKS | IGDTUW

October 2016 | Delhi, India

Research Project based on increasing efficiency of wireless sensor networks

- Supervisor- Mr. Vivekanad Jha, Professor, IGDTUW

### SMART BIN | GHC HACKATHON

September- November 2015 | Bangalore, India

Web app that had been designed to aid the volunteers of the NGO Reap Benefit based in Bengaluru to automate the tracking of dustbins fitted with sensors and educates the public for waste segregation activities. The application collected the data from sensors thus, helping volunteers analyze data using graphs. The app also displayed the shortest path between various bins at different localities.

- Technology used- HTML, CSS, Python, D3, PostgreSQL, Google Maps, Bootstrap and Django Framework

### JEWELLERY WEBSITE July 2016- Present | Delhi, India

A Jewellery website that displays various products with customized user authorization system.

- Technology Used- HTML, CSS, Python, MySQL, Javascript, LESS and Django Framework

### SMART SECURE | IGDTUW

April 2016 | Delhi, India

A Raspberry Pi2 based home automation product that uses a GUI for user interaction. The device is a smart locker that alerts the owner in case of misuse of the locker. In case of an invalid login, the owner is alerted with mail containing the photograph of the user. Immediately a call is placed and message is also sent.

- Technology used-Python, Raspberry Pi 2

## ACTIVITIES AND ACHIEVEMENTS

### ACADEMIC ACHIEVEMENTS

- Second Prize, Developers at Work, Annual Technical Fest (CSI-IGDTUW)
- Participated in preliminary online round of ACM- ICPC 2015
- Awarded Gold Medal, 2012  
Excellent academic performance in school for 6 years
- Awarded Silver Medal, 2010  
Excellent academic performance in school for 5 years

### POSITION OF RESPONSIBILITY

- Founder and Core Team Member of Unistash, IGDTUW: 2016
- Core Team Member of Society of Technical Research and Industrial Development, IGDTUW: 2014-2015
- Team Member of Event Management Team, Taarangana - Cultural Festival of IGDTUW 2013, 2014

### EXTRA- CURRICULAR ACTIVITIES

- An active participant in extempore and debate competitions and have won various accolades
- Keen interest in playing musical instruments