

Tanvi Surana

tanvi-surana.github.io

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Education

- **Indira Gandhi Delhi Technical University** Delhi
B.Tech Computer Science and Engineering *August 2013 - Present*
 - Performance: 82%, 6 Semesters
- **Delhi Public School Rohini** Delhi
C.B.S.E, AISSCE
 - Performance: 91.6%

Projects

- **Lifetime Of Wireless Sensor Networks** *Ongoing*
 - Increasing Lifetime of Wireless Sensor Networks
- **Jewellery Website** *2016*
 - A Jewellery website that displays various products with customized user authorization system. (Django, LESS)
- **Smart Secure** *2016*
 - 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. (Raspberry Pi2, Python)
- **Smart Bin** *2015*
 - 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. (Python, Django, Bootstrap, Google Maps API, D3.js, PostgreSQL)
- **2048 Game** *2014*
 - Interactive version of the 2048 game made using web technologies. It works on the keyboard click events with changing colors and displaying the highest score. (HTML, CSS, JavaScript)

Skills

- **Languages:** C, C++, Git, Python, HTML, CSS, LESS, Javascript.
- **Framework:** Django
- **Basic Knowledge:** Cloudsim (Cloud Computing) and Network Programming.

Volunteer

- **Learn IT Girl!** *Mentor, Feb 2016 to April 2016*
 - Mentoring a student learn C++.

Achievements & Awards

- Second Prize, Developers at Work, Technical Fest (CSI-IGDTUW).
- Scholar, Gold-Medalist, Silver-Medalist for excellent academic performance in school University, 2010.