 **PANKHURI TATTE** 

[tattepankhuri9@gmail.com|Mob.+918839296963|H-501,Virasha](mailto:tattepankhuri9@gmail.com%7CMob.+918839296963%7CH-501,Virasha) Heights,Danish Kunj,Bhopal

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| **ACADEMIC DETAILS** |

**Year Degree/Exam Institute GPA/Marks**

------ B.E in Electronics and Communication LNCT Group of College 8.14

2015 CBSE St. Joseph’s Convent 78.8%

2013 CBSE St. Joseph’s Convent 85.0%

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| SCHOLASTIC ACHIEVEMENTS |

* Filed(application no.->201721012239) and published a patent for Smart Shoe authorized by VIKAS ASAWAT, registered patent agent and trade attorney.

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| **PROJECTS** |

* **Smart shoe for women’s self defence**
* Conceptualized and developed a shoe that generates electric shock when set-off using a button on the wrist
* Utilized radio frequency mechanism to trigger the signal that eliminated the use of wires in the system
* Assembled components such as relay to transmit the signal and booster to generate the voltage.
* **System to enhance patient care employing IoT technology**
* Designed and built an arrangement to monitor the patient room apparatus real-time, over a mobile app
* Interfaced all the sensors with the arduino based IoT module to exchange and display information .
* **Automatic on/off system for street lights to save energy**
* Programmed a microcontroller (avr atmega8) to control lights, detecting presence or absence of vehicles
* Employed infrared sensors on road-sides to send a binary output in order to switch the light ON or OFF.
* **Fastest finger first system for quiz buzzers**
* Fabricated circuit to identify the contestant which enters the correct option the earliest; and display the corresponding number on lcd.
* Coded the microcontroller to function the buzzers and seven segment to display the output number.
* **AI based security system as an application of face recognition.**
* Developed a security system for office using raspberry pi by installing required modules in pi.

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| **TRAININGS/WORKSHOPS** |

* **Internet Of Things** with **Artificial Intelligence:**

Worked on basic linux commands in ubuntu, coded in python using ubuntu’s virtual box. Installed the OS in Raspberry pi and interfaced various electronic components using pi.

* **Robotics**-Designed and Developed a remote controlled robot which enforced DC motors to trace path based on the directions sent through RF transmitter. The directions were encrypted in the form of codes in microcontroller(avr).
* **Embedded System**- Coded and compiled in C language on AVR software, designed and performed real time simulation of the applications of embedded systems on Proteus.

Also designed various PCB designs using ExpressPcb.

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| **TECHNICAL SKILLS** |

* C and C++.
* Basics of Data Structure.
* Basics of python- as an application of artificial intelligence.

**SUBJECTS:** Digital Electronics

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| **POSITIONS OF RESPONSIBILITY** |

* **Campus Ambassador,** Grapevine Co. (July-October,2017): Worked as a marketing ambassador and promoted various events through social media held in the city thereby assembling the crowd from college.
* **Campus Ambassador**, Avahan-University’s Fest(April-2017): Publicized and gathered a number of students for various events and represented the college at fest.
* Training and Placement **class volunteer**: Prepared and managed the database of the department, conveyed the information and directed the students.

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| **EXTRA-CURRICULAR ACTIVITIES** |

* Were among the top 7 teams to represent the college at IIT Kanpur’s Techkriti in robotics.
* Participated in EC/EI Innovative Model Competition in **Srijan(State Level**) consecutively for 2 years.
* Completed the **graduation in classical music** from Tansen University and participated in various stage shows. Got featured in Dainik Bhaskar for open mic.
* Backed second position in group(Hoedown) dance competition held at JUET college(guna) and OIST Bhopal as well as participated in various dance events held in college and city.
* **Foreign Language** **:**  Completed the beginner and low-intermediate levels of **french language** from Alliance Francaise.
* **Other Interests :** Singing, Travelling